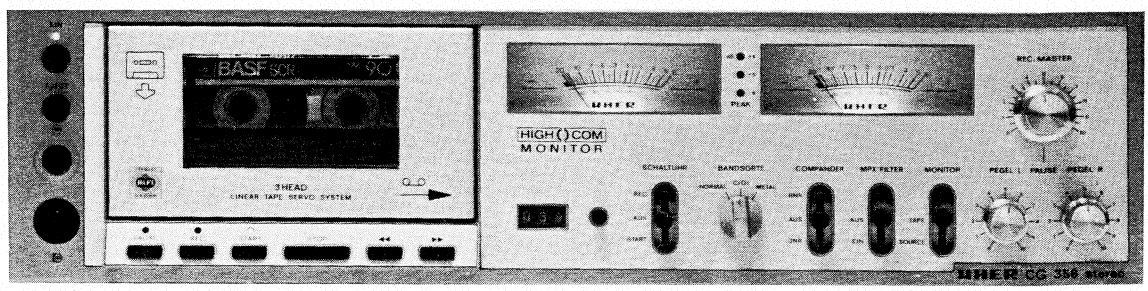
UHER

SERVICE MANUAL

MODEL CG 356

STEREO CASSETTE TAPE DECK

PARTS LIST



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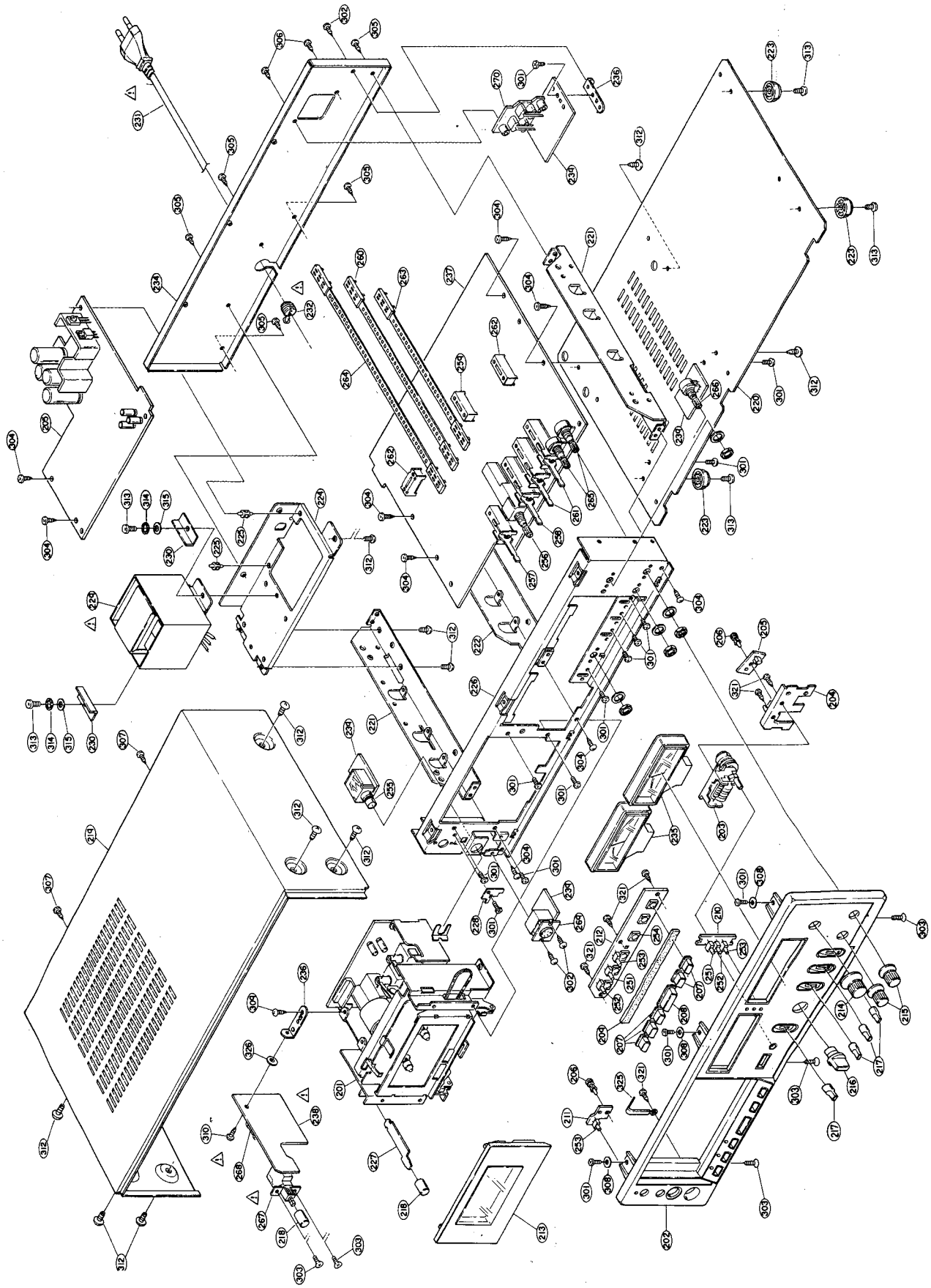
EXPLODED VIEW OF CHASSIS AND CABINET

⚠ Means important safety item, which must be replaced, when necessary by part specified or meeting the specification by the manufacturer.



PARTS LIST OF EXPLODED VIEW

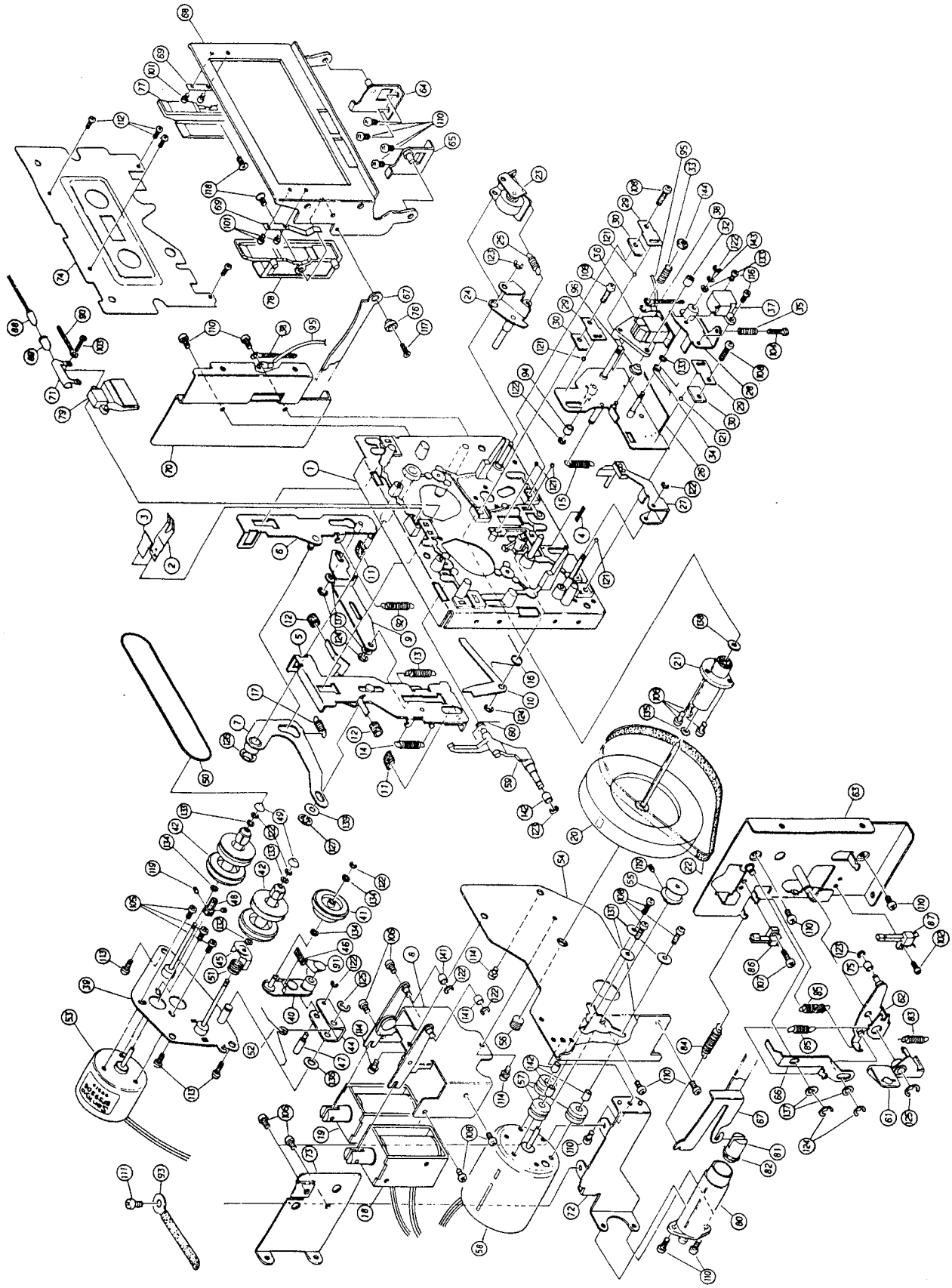
Ref. No.	Part No.	Part Name & Description	
201	3388005009	V. MECH. (21) UNIT	
202	1038175207	FRONT PANEL ASS'Y	
203	4598007317	COUNTER BRACKET	
204	4418781108	COUNTER BRACKET	
205	KU-0378H	LOGIC & POWER UNIT	
206	4498005008	CANOE RIVET	
207	1038178107	CONTROL BUTTON (A)	USED 5
208	1038178110	CONTROL BUTTON (B)	
209	4618088009	CUSHION	
210	KU-0414	CONTROL & OTHER UNIT	
211	KU-0414	CONTROL & OTHER UNIT	
212	KU-0414	CONTROL & OTHER UNIT	
213	1038179106	DOOR FRAM ASS'Y	
214	1120353005	KNOB (A)	
215	1120354004	KNOB (B)	USED 2
216	1120355003	SELECTOR KNOB	
217	1130283000	LEVER KNOB	USED 4
218	1138076219	SWITCH KNOB	
219	1028259201	TOP COVER	
220	1058078009	BOTTOM PLATE	
221	4118144304	ANGLE	USED 2
222	4118144317	ANGLE	
223	1048065006	FOOT	USED 4
224	4128225514	TRANS BRACKET	
225	4158026000	P.W.B. SUPPORT	USED 2
226	4118239109	FRONT CHASSIS	
227	4318062105	EJECT PLATE	
228	4418838006	FIXING PLATE	
⚠ 229	2339044007	POWER TRANS	
230	4418748002	FIXING BRACKET	USED 2
⚠ 231	2062002031	AC CORD WITH PLUG	
⚠ 232	4450018004	BUSHING	
234	1058077204	BACK PANEL	
235	2158017011	LEVEL METER	USED 2
236	4418823202	P.W.B. BRACKET	USED 2
237	KU-0415	AUDIO AMP UNIT	
⚠ 238	KU-0416	POWER WIRING UNIT	
239	KU-0418	MIC AMP & OTHER UNIT	
251	3939078003	LED (RED) LIGHT EMITTING DIODE	
252	3939099008	LED (ORG) LIGHT EMITTING DIODE	
253	3939079002	LED (GREEN) LIGHT EMITTING DIODE	
254	2129130008	PUSH SWITCH	USED 6
255	2049626003	HEADPHONE JACK	
256	2123327008	TAPE SELECTOR	
257	2129162005	LEVER SWITCH	
258	2129163004	SWITCH CONTROL UNIT	
259	2129164003	SLIDE SWITCH	
260	4358017013	FLEX WIRE	
261	2129165002	SWITCH CONTROL UNIT	USED 2
262	2129166001	SLIDE SWITCH	USED 2
263	4358018009	FLEX WIRE	
264	4358020000	FLEX WIRE	
265	2118066002	VARIABLE RESISTOR 100 k ohm	USED 2
266	2118065003	VARIABLE RESISTOR 100 k ohm	
⚠ 267	2129136015	POWER SWITCH	
⚠ 268	2061015045	FUSE 315 mA/250 V	
269	2048096003	DIN JACK ASS'Y	
270	2048021007	4P CONNECTOR BASE	

Ref. No.	Part No.	Part Name & Description	
301	4713303016	BIND SCREW	3 x 6
302	4713303032	BIND SCREW	3 x 6 (BLACK)
303	4712302018	CROSS PAN SCREW	3 x 5
304	4733800007	TAPPING SCREW	3 x 6
305	4730353023	TAPPING SCREW	3 x 6
306	4730304030	TAPPING SCREW	3 x 8
307	4770064107	FIXING SCREW	
308	4751003006	ϕ3 WASHER	
309	4733800007	TAPPING SCREW	3 x 6
310	4770010122	CROSS PAN SCREW	3 x 5
312	4730453017	TAPPING SCREW	4 x 6
313	4739014017	TAP TIGHT SCREW	4 x 8
314	4753002005	4 TWA WASHER	
315	4751105014	4 WASHER	
321	4730253013	TAPPING SCREW	2.6 x 6
325	4458004007	WIRE CLAMPER	
326	4770211002	3 WASHER	

PACKING & ACCESSORIES (not included EXPLODED VIEW)

Ref. No.	Part No.	Part Name & Descriptions
	5018210104	CARTON CASE
	5030291004	CUSHION
	5058006048	ENVELOPE
	5028054004	SPACER (A)
	5028055003	SPACER (B)
	5028056002	SPACER (C)
	5028057001	SPACER (D)
	2032024418	2P CONNECTOR CORD
	5118171004	INSTRUCTION MANUAL
	5138205002	SCHEMATIC DIAGRAM
	PC-3244	ENVELOPE

EXPLODED VIEW OF CASSETTE MECHANISM UNIT



PARTS LIST OF CASSETTE MECHANISM UNIT

Ref. No.	Part No.	Part Name & Description
1	9J250101	MECH. CHASSIS ASS'Y
2	9J250112	C. SUPPORT SPRING
3	9J250113	SPRING PLATE
4	9J250131	FELT
5	9J250201	SLIDE BRACKET ASS'y
6	9J250202	SIDE LEVER ASS'Y
7	9J250203	BRAKE LEVER ASS'Y
8	9J250204	SOLENOID BRACKET ASS'Y
9	9J250215	CONNECTING LEVER
10	9J250217	CUE LEVER
11	9J250272	SIDE STOPPER
12	9J250273	BRAKE SHOE
13	9J250281	SPRING
14	9J250282	SPRING
15	9J250283	SPRING
16	9J250284	TORSION SPRING
17	9J250285	BRAKE SPRING
18	9J250291	SOLENOID
19	9J250292	SOLENOID
20	9J250301	FLY WHEEL ASS'Y
21	9J180302	BEARING ASS'Y
22	9J180372	MAIN BELT
23	9J250401	P. ROLLER BRACKET ASS'Y
24	9J250402	PRESSURE BRACKET ASS'Y
25	9J250481	P. ROLLER SPRING
26	9j250501	HEAD PLATE ASS'Y
27	9J250502	DETECTING ARM ASS'Y
28	9J250503	E. HEAD BRACKET ASS'Y
29	9J250514	SPRING PLATE
30	9J250515	BRACKET
32	9J250553	ADJUST SCREW
33	9J250581	H SUPPORT SPRING
34	9J250582	TORSION SPRING
35	9J250583	ADJUST SPRING
36	3918030004	R/P HEAD ASS'Y
37	3918031003	E. HEAD
38	9J250597	LUG
39	9J250701	REEL BASE ASS'Y
40	9J250702	F.R LEVER ASS'Y
41	9J250705	F.R IDLER
42	9J250703	TAKE UP REEL ASS'Y
44	9J250712	F.R BRACKET
45	9J250721	SPRING SUPPORT
46	9J250731	FELT
47	9J250745	F.R BRACKET PIN
48	9J250754	REEL MOTOR PULLEY
49	9J020761	REEL CAP
50	9J141071	COUNTER BELT
51	9J250781	SUPPLY SPRING
52	9J250782	TORSION SPRING
53	2178050100	REEL MOTOR
54	9J251211	MOTOR BRACKET
55	9J251251	MOTOR PULLEY
56	9J130361	THRUST SCREW
57	9J151274	MOTOR CUSION
58	2178049108	CAPSTAN MOTOR
59	9J251301	REC LEVER ASS'Y
60	9J251381	TORSION SPRING
61	9J251701	EJECT LEVER ASS'Y
62	9J251702	LOCK LEVER ASS'Y
63	9J251703	SIDE BRACKET (L) ASS'Y
64	9J181704	HINGE (R) ASS'Y
65	9J181705	HINGE (L) ASS'Y
66	9J251713	SLIDE LVER
67	9J251715	DAMPER ARM
68	9J25176	CASSETTE BOX
69	9J251717	C.PRESSURE SPRING
70	9J251719	SIDE BRACKET (R)
71	9J2517110	LAMP BRACKET
72	9J2517111	DAMPER BRACKET

Ref. No.	Part No.	Part Name & Description
73	9J2517112	P.W.B HOLDER
74	9J251721	ESC PLATE
75	9J251752	ROLLER
76	9J251753	BOSS
77	9J251761	CASSETTE HOLDER (R)
78	9J251762	CASSETTE HOLDER (L)
79	9J251763	LAMP LENS
80	9J201761	DAMPER CYLINDER
81	9J201762	DAMPER PISTON
82	9J201771	O RING
83	9J251781	EJECT LEVER SPRING
84	9J251782	DAMPER SPRING
85	9JS40P20	LOCK LEVER SPRING
86	9J251791	SWITCH
87	9J251792	SWITCH
88	9J251793	LAMP
89	9J251799	LAMP COVER
90	9J11140301	LUG
91	9J250783	TORSION SPRING
92	9J250286	SPRING
93	9J251795	LUG
94	9J250559	CALLER
95	9J250598	WIRE ASS'Y
96	9J250585	SPRING
101	9JDRF101	SCPMS 2002
102	4711101016	2 x 4 CPS
103	9JDRF103	SCPMS 2007
104	4711810006	2 x 10 CPS
105	9JDRF105	SCPMS 2603
106	4711201013	2.6 x 4 CPS
107	4211202012	2.6 x 5 CPS
108	4711204010	2.6 x 8 CPS
110	9JDRF110	SCPTS 2605
111	9JDRF111	3 x 6 FT
112	9JDRF112	SCPTB 2006
113	4733800007	3 x 6 CBTS
114	4700001004	2.6 x 4 CPS (SW)
115	4700003002	2.6 x 6 CPS (SW)
116	4714102012	2 x 5 CTS
117	4712102014	2 x 5 CFS
118	9JDRF118	BCFMS2604
119	9JDRF119	SSNSS2002
121	9JDRF121	SSB020000
122	4761000002	1.5E–RING
123	9JDRF123	E1R900000
124	9JDRF124	E2R300000
125	4761003009	3E–RING
126	4761004008	4E–RING
127	9JDRF127	STOP RING
131	9JDRF131	SFW261030
132	9JDRF132	GNW200413
133	9JDRF133	GNW200425
134	9JDRF134	GNW200450
135	9JDRF135	GNW260550
136	9JDRF136	GNW401050
137	9JDRF137	NYW300550
138	9JDRF138	NYW240650
139	9JDRF139	WASHER
141	9JDRF141	SSP304035
142	9JDRF142	SSP304060
143	9JDRF143	SFW204030
144	4756006008	3 NUT

PARTS LIST OF PRINTED CIRCUIT BOARD.

KU-0379 DRIVER UNIT

Ref. No.	Part No.	Part Name & Description
	SEMICONDUCTORS	
IC801	2620326007	BA6109 INTEGRATED CIRCUIT
TR801	2730204019	2SC2320F TRANSISTOR
TR802	2710117003	2SA1020Y TRANSISTOR
TR803	2710102005	2SA1015Y TRANSISTOR
TR804	2730212001	2SC2655Y TRANSISTOR
TR805	2730204019	2SC2320F TRANSISTOR
TR806	2710117003	2SA1020Y TRANSISTOR
TR807	2710102005	2SA1015Y TRANSISTOR
TR808	2730212001	2SC265SY TRANSISTOR
TR809	2730204019	2SC2320F TRANSISTOR
TR810	2730204019	2SC2320F TRANSISTOR
TR811	2730204019	2SC2320F TRANSISTOR
TR812	2720055029	2SB772 (Q/P) TRANSISTOR
D801	2760237001	RV06 DIODE
D802	2760237001	RV06 DIODE
D803	2760237001	RV06 DIODE
D804	2760237001	RV06 DIODE
D805	2760237001	RV06 DIODE
D806	2760237001	RV06 DIODE
D807	2760049008	IS2076 DIODE
D808	2760237001	RV06 DIODE
D809	2760237001	RV06 DIODE
D810	2760237001	RV06 DIODE
D811	2760001004	IN34A DIODE
ZD801	2760052037	HZ11B DIODE
ZD802	2760185030	HZ4B1 DIODE
ZD803	2760218017	HZ9A2 DIODE
	RESISTORS	
R801	2412096008	1.5k ohm ±5% 1/4W CARBON FILM
R802	2440043023	1.5k ohm ±5% 1W METAL OXIDE FILM
R803	2412116001	10 k ohm ±5% 1/4W CARBON FILM
R804	2412094000	1.2k ohm ±5% 1/4W CARBON FILM
R805	2412116001	10k ohm ±5% 1/4W CARBON FILM
R806	2412112005	6.8k ohm ±5% 1/4W CARBON FILM
R807	2412104000	3.3k ohm ±5% 1/4W CARBON FILM
R808	2440129028	10 ohm ±5% 3W METAL OXIDE FILM
R809	2412096008	1.5k ohm ±5% 1/4W CARBON FILM
R810	2440043023	1.5k ohm ±5% 1W METAL OXIDE FILM
R811	2412116001	10k ohm ±5% 1/4W CARBON FILM
R812	2412094000	1.2k ohm ±5% 1/4W CARBON FILM
R813	2412116001	10k ohm ±5% 1/4W CARBON FILM
R814	2412112005	6.8 k ohm ±5% 1/4W CARBON FILM
R815	2412104000	3.3k ohm ±5% 1/4W CARBON FILM
R816	2440129028	10 ohm ±5% 3W METAL OXIDE FILM
R817	2412076002	220 ohm ±5% 1/4W CARBON FILM
R818	2412116001	10k ohm ±5% 1/4W CARBON FILM
R819	2412116001	10k ohm ±5% 1/4W CARBON FILM
R821	2440085023	82 ohm ±5% 2W METAL OXIDE FILM
R822	2440027023	68 ohm ±5% 1W METAL OXIDE FILM
R823	2412108006	4.7k ohm ±5% 1/4W CARBON FILM
	CAPACITORS	
C801	2544034006	4.7μF 35V ELECTROLYTIC
C802	2544034006	4.7μF 35V ELECTROLYTIC
C803	2544029008	220μF 25V ELECTROLYTIC
C804	2544027000	47μF 25V ELECTROLYTIC
C805	2551072006	0.01μF ±10% 50V PLASTIC FILM
C806	2551084007	01μF ±10% 50V PLASTIC FILM
C807	2544018006	100μF 16V ELECTROLYTIC
C808	2544010004	100μF 10V ELECTROLYTIC
	OTHER PARTS	
	2228343408	DRIVER P.C. BOARD
	4178046002	HEAT SINK (Z)
	4178062109	HEAT SINK (L)
	2035622053	12MINI CONNE PIN
	2031630007	2P WIRE ASS'Y
	2050082021	2P WRAPPING TERMINAL USED 7
	2058007008	BOARD IN TERMINAL
	2090008120	JUMPER 10mm USED 6

KU-0436 LOGIC & POWER UNIT

Ref. No.	Part No.	Part Name & Description
		SEMICONDUCTORS
IC1	2620283001	BA843 INTEGRATED CIRCUIT
IC2	2620128001	HD74LS02P INTEGRATED CIRCUIT
IC3	2620291006	HD74LS08P INTEGRATED CIRCUIT
IC4	2620327006	HD74LS00P INTEGRATED CIRCUIT
IC5	2620328005	HD74LS10P INTEGRATED CIRCUIT
IC6	2620294003	HD74LS32P INTEGRATED CIRCUIT
IC7	2620129013	HD74LS04P INTEGRATED CIRCUIT
IC8	2630076004	HA17901P INTEGRATED CIRCUIT
IC9	2680028002	DN6838 INTEGRATED CIRCUIT
IC901	2630139006	UPC78M12H INTEGRATED CIRCUIT
TR6	2730204019	2SC2320F TRANSISTOR
TR8	2730204019	2SC2320F TRANSISTOR
TR9	2710102005	2SA1015Y TRANSISTOR
TR10	2710102005	2SA1015Y TRANSISTOR
TR11	2740078031	2SD882 (Q/P) TRANSISTOR
TR12	2730204019	2SC2320F TRANSISTOR
TR13	2730204019	2SC2320F TRANSISTOR
TR14	2710102005	2SA1015Y TRANSISTOR
TR15	2730204019	2SC2320F TRANSISTOR
TR16	2730204019	2SC2320F TRANSISTOR
TR17	2730204019	2SC2320F TRANSISTOR
TR19	2730204019	2SC2320F TRANSISTOR
TR901	2720055029	2SB772 (Q/P) TRANSISTOR
TR902	2710102005	2SA1015Y TRANSISTOR
TR903	2710102005	2SA1015Y TRANSISTOR
D7	2760049008	1S2076 DIODE
D8	2760049008	1S2076 DIODE
D15	2760049008	1S2076 DIODE
D16	2760049008	1S2076 DIODE
D17	2760049008	1S2076 DIODE
D18	2760049008	1S2076 DIODE
D19	2760049008	1S2076 DIODE
D20	2760049008	1S2076 DIODE
D21	2760049008	1S2076 DIODE
D23	2760049008	1S2076 DIODE
D24	2760049008	1S2076 DIODE
D25	2760049008	1S2076 DIODE
D26	2760049008	1S2076 DIODE
D27	2760049008	1S2076 DIODE
D28	2760049008	1S2076 DIODE
D29	2760049008	1S2076 DIODE
D30	2760049008	1S2076 DIODE
D901	2760246005	RB-152 DIODE
D902	2760246005	RB-152 DIODE
ZD1	2760173026	HZ6B DIODE
		RESISTORS
R1	2412044005	10 ohm ±5% ¼W CARBON FILM
R2	2412068007	100 ohm ±5% ¼W CARBON FILM
R3	2412044005	10 ohm ±5% ¼W CARBON FILM
R4	2412044005	10 ohm ±5% ¼W CARBON FILM
R5	2412044005	10 ohm ±5% ¼W CARBON FILM
R6	2412044005	10 ohm ±5% ¼W CARBON FILM
R20	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R24	2412086005	560 ohm ±5% ¼W CARBON FILM
R25	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R27	2412092002	1 k ohm ±5% ¼W CARBON FILM
R28	2412116001	10 k ohm ±5% ¼W CARBON FILM
R29	2412074004	180 ohm ±5% ¼W CARBON FILM
R30	2410294006	150 ohm ±5% ¼W CARBON FILM
R31	2412092002	1 k ohm ±5% ¼W CARBON FILM
R32	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R33	2412100004	2.2 k ohm ±5% ¼W CARBON FILM
R34	2412092002	1 k ohm ±5% ¼W CARBON FILM
R35	2412090004	820 ohm ±5% ¼W CARBON FILM
R36	2412068007	100 ohm ±5% ¼W CARBON FILM
R37	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R38	2412116001	10 k ohm ±5% ¼W CARBON FILM
R39	2412114003	8.2 k ohm ±5% ¼W CARBON FILM
R40	2412100004	2.2 k ohm ±5% ¼W CARBON FILM
R41	2412116001	10 k ohm ±5% ¼W CARBON FILM
R42	2412086005	560 ohm ±5% ¼W CARBON FILM
R43	2412110007	5.6 k ohm ±5% ¼W CARBON FILM
R44	2412100004	2.2 k ohm ±5% ¼W CARBON FILM
R45	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R46	2412140006	100 k ohm ±5% ¼W CARBON FILM
R47	2412140006	100 k ohm ±5% ¼W CARBON FILM

Ref. No.	Part No.	Part Name & Description
R48	2412140006	100 k ohm ±5% ¼W CARBON FILM
R49	2412134009	56 k ohm ±5% ¼W CARBON FILM
R50	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R51	2412116001	10 k ohm ±5% ¼W CARBON FILM
R52	2412132001	47 k ohm ±5% ¼W CARBON FILM
R53	2412132001	47 k ohm ±5% ¼W CARBON FILM
R54	2412132001	47 k ohm ±5% ¼W CARBON FILM
R55	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R56	2412140006	100 k ohm ±5% ¼W CARBON FILM
R57	2412130003	39 k ohm ±5% ¼W CARBON FILM
R58	2412132001	47 k ohm ±5% ¼W CARBON FILM
R59	2412132001	47 k ohm ±5% ¼W CARBON FILM
R60	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R61	2412124006	22 k ohm ±5% ¼W CARBON FILM
R62	2412124006	22 k ohm ±5% ¼W CARBON FILM
R63	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R64	2412120000	15 k ohm ±5% ¼W CARBON FILM
R65	2412120000	15 k ohm ±5% ¼W CARBON FILM
R65	2412120000	15 k ohm ±5% ¼w CARBON FILM
R66	2412124006	22 k ohm ±5% ¼W CARBON FILM
R67	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R68	2412138005	82 k ohm ±5% ¼W CARBON FILM
R69	2412134009	56 k ohm ±5% ¼W CARBON FILM
R70	2412132001	47 k ohm ±5% ¼W CARBON FILM
R71	2412136007	68 k ohm ±5% ¼W CARBON FILM
R72	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R76	2412104000	3.3 k ohm ±5% ¼W CARBON FILM
R77	2412104000	3.3 k ohm ±5% ¼W CARBON FILM
R78	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R79	2412076002	220 ohm ±5% ¼W CARBON FILM
R901	2412112005	6.8 k ohm ±5% ¼W CARBON FILM
R902	2412112005	6.8 k ohm ±5% ¼W CARBON FILM
R903	2412134009	56 k ohm ±5% ¼W CARBON FILM
R904	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R905	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R906	2440025025	47 ohm ±5% 1W METAL OXIDE FILM
R907	2440025025	47 ohm ±5% 1W METAL OXIDE FILM
		CAPACITORS
C9	2551076002	0.022μF ±10% 50V PLASTIC FILM
C16	2544132005	10μF 16V ELECTROLYTIC
C17	2544128006	22μF 10V ELECTROLYTIC
C18	2544129005	47μF 10V ELECTROLYTIC
C19	2544129005	47μF 10V ELECTROLYTIC
C20	2544140000	4.7μF 35V ELECTROLYTIC
C21	2544132005	10μF 16V ELECTROLYTIC
C22	2544140000	4.7μF 35V ELECTROLYTIC
C23	2544140000	4.7μF 35V ELECTROLYTIC
C24	2544140000	4.7μF 35V ELECTROLYTIC
C25	2544130007	100μF 10V ELECTROLYTIC
C26	2544128006	22μF 10V ELECTROLYTIC
C901	2544032008	1000μF 25V ELECTROLYTIC
C902	2544032008	1000μF 25V ELECTROLYTIC
C904	2544132005	10μF 16V ELECTROLYTIC
C905	2544021006	470μF 25V ELECTROLYTIC
C906	2544021006	470μF 25V ELECTROLYTIC
C907	2544032008	1000μF 25V ELECTROLYTIC
C908	2544032008	1000μF 25V ELECTROLYTIC
		OTHER PARTS
	2228304201	LOGIC & POWER P.C. BOARD
	4178028004	HEAT SINK
	4178046002	HEAT SINK (Z)
	4498059106	HALL IC GUIDE
	2035622066	5P MINI CONNE PIN
	2035622095	9P MINI CONNE PIN
	2047714014	12P MINI CONNE CORD
	2050082021	2P WRAPPING TERMINAL
	2050082034	3P WRAPPING TERMINAL USED 4
	2050082047	4P WRAPPING TERMINAL
	2058007008	BOARD IN TERMINAL
	2090047903	0.6 JUMPER WIRE USED 35
	2090008120	JUMPER 10 mm USED 3
	2090008104	JUMPER 15 mm

KU-0415 AUDIO UNIT

Ref. No.	Part No.	Part Name & Description	
		SEMICONDUCTORS	
IC101	2650029002	M5213L	INTEGRATED CIRCUIT
IC102	2630181009	U401BR	INTEGRATED CIRCUIT
IC103	2630126006	μPC4558	INTEGRATED CIRCUIT
IC104	2630125007	μPC4557	INTEGRATED CIRCUIT
IC105	2630092004	LB1416	INTEGRATED CIRCUIT
IC106	2620276005	HD14066BP	INTEGRATED CIRCUIT
IC107	2630126006	μPC4558	INTEGRATED CIRCUIT
IC108	2630181009	U401BR	INTEGRATED CIRCUIT
IC401	2650029002	M5213L	INTEGRATED CIRCUIT
IC402	2630092004	LB1416	INTEGRATED CIRCUIT
IC406	2620276005	HD14066BP	INTEGRATED CIRCUIT
IC408	2630181009	U401BR	INTEGRATED CIRCUIT
TR101	2730204019	2SC2320F	TRANSISTOR
TR102	2730204019	2SC2320F	TRANSISTOR
TR103	2730204019	2SC2320F	TRANSISTOR
TR104	2730204019	2SC2320F	TRANSISTOR
TR105	2730204019	2SC2320F	TRANSISTOR
TR106	2730204019	2SC2320F	TRANSISTOR
TR107	2730204019	2SC2320F	TRANSISTOR
TR108	2730204019	2SC2320F	TRANSISTOR
TR109	2730195005	2SC2060Q	TRANSISTOR
TR110	2730021030	2SC458C	TRANSISTOR
TR111	2710105002	2SA966Y	TRANSISTOR
TR112	2730111050	2SC1213AC	TRANSITOR
TR113	2730111050	2SC1213AC	TRANSISTOR
TR401	2730204019	2SC2320F	TRANSISTOR
TR402	2730204019	2SC2320F	TRANSISTOR
TR406	2730204019	2SC2320F	TRANSISTOR
D101	2760049008	1S2076	DIODE
D102	2760053007	HZ12A	DIODE
D103	2760002003	IN60	DIODE
D104	2760244007	MZ303A	DIODE
D403	2760002003	IN60	DIODE
RD101	2760118007	D33A	DIODE
RD102	2760118007	D33A	DIODE
RD401	2760118007	D33A	DIODE
		RESISTORS	
R101	2412130003	39 k ohm ±5% ¼W	CARBON FILM
R102	2412072006	150 ohm ±5% ¼W	CARBON FILM
R104	2412124006	22 k ohm ±5% ¼W	CARBON FILM
R105	2412162000	820 k ohm ±5% ¼W	CARBON FILM
R106	2412086005	560 ohm ±5% ¼W	CARBON FILM
R107	2412119008	13 k ohm ±5% ¼W	CARBON FILM
R108	2412078000	270 ohm ±5% ¼W	CARBON FILM
R109	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R110	2412108006	4.7 k ohm ±5% ¼W	CARBON FILM
R111	2412164008	1 M ohm ±5% ¼W	CARBON FILM
R112	2412110007	5.6 k ohm ±5% ¼W	CARBON FILM
R113	2412120000	15 k ohm ±5% ¼W	CARBON FILM
R114	2412128002	33 k ohm ±5% ¼W	CARBON FILM
R115	2412062003	56 ohm ±5% ¼W	CARBON FILM
R116	2412318074	5.6 k ohm ±2% ¼W	CARBON FILM
R117	2412318016	43 k ohm ±2% ¼W	CARBON FILM
R118	2412318087	15 k ohm ±2% ¼W	CARBON FILM
R119	2412320020	1.3 k ohm ±2% ¼W	CARBON FILM
R120	2412144002	150 k ohm ±5% ¼W	CARBON FILM
R121	2412318087	15 k ohm ±2% ¼W	CARBON FILM
R122	2412318058	1.5 k ohm ±2% ¼W	CARBON FILM
R123	2412062003	56 ohm ±5% ¼W	CARBON FILM
R124	2412319002	8.2 M ohm ±5% ½W	CARBON FILM
R125	2412318090	820 k ohm ±2% ¼W	CARBON FILM
R126	2412318045	33 k ohm ±2% ¼W	CARBON FILM
R127	2412318074	5.6 k ohm ±2% ¼W	CARBON FILM
R128	2412118009	12 k ohm ±5% ¼W	CARBON FILM
R129	2412118009	12 k ohm ±5% ¼W	CARBON FILM
R131	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R132	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R133	2412318061	3.3 k ohm ±2% ¼W	CARBON FILM
R134	2412140006	100 k ohm ±5% ¼W	CARBON FILM
R135	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R136	2412158001	560 k ohm ±5% ¼W	CARBON FILM
R137	2412132001	47 k ohm ±5% ¼W	CARBON FILM
R138	2412132001	47 k ohm ±5% ¼W	CARBON FILM

Ref. No.	Part No.	Part Name & Description	
R139	2412100004	2.2 k ohm ±5% ¼W	CARBON FILM
R140	2412140006	100 k ohm ±5% ¼W	CARBON FILM
R141	2412158001	560 k ohm ±5% ¼W	CARBON FILM
R142	2412132001	47 k ohm ±5% ¼W	CARBON FILM
R143	2412122008	18 k ohm ±5% ¼W	CARBON FILM
R144	2412128002	33 k ohm ±5% ¼W	CARBON FILM
R145	2412074004	180 k ohm ±5% ¼W	CARBON FILM
R146	2410159002	82 ohm ±5% ¼W	CARBON FILM
R147	2412122008	18 k ohm ±5% ¼W	CARBON FILM
R148	2412122008	18 k ohm ±5% ¼W	CARBON FILM
R149	2412101003	2.4 k ohm ±5% ¼W	CARBON FILM
R150	2412144002	150 k ohm ±5% ¼W	CARBON FILM
R151	2412101003	2.4 k ohm ±5% ¼W	CARBON FILM
R152	2412104000	3.3 k ohm ±5% ¼W	CARBON FILM
R154	2412058004	39 ohm ±5% ¼W	CARBON FILM
R155	2412058004	39 ohm ±5% ¼W	CARBON FILM
R156	2412080001	330 ohm ±5% ¼W	CARBON FILM
R157	2412068007	100 ohm ±5% ¼W	CARBON FILM
R158	2412124006	22 k ohm ±5% ¼W	CARBON FILM
R159	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R160	2412140006	100 k ohm ±5% ¼W	CARBON FILM
R161	2412122008	18 k ohm ±5% ¼W	CARBON FILM
R162	2412110007	5.6 k ohm ±5% ¼W	CARBON FILM
R163	2412120000	15 k ohm ±5% ¼W	CARBON FILM
R164	2412076002	220 ohm ±5% ¼W	CARBON FILM
R165	2412106008	3.9 k ohm ±2% ¼W	CARBON FILM
R166	2412118009	12 k ohm ±5% ¼W	CARBON FILM
R167	2412062003	56 ohm ±5% ¼W	CARBON FILM
R168	2412319002	8.2 M ohm ±5% ½W	CARBON FILM
R169	2412318090	820 k ohm ±2% ¼W	CARBON FILM
R170	2412320020	1.3 k ohm ±2% ¼W	CARBON FILM
R171	2412318074	5.6 k ohm ±2% ¼W	CARBON FILM
R172	2412318016	47 k ohm ±2% ¼W	CARBON FILM
R173	2412318087	15 k ohm ±2% ¼W	CARBON FILM
R174	2412318087	15 k ohm ±2% ¼W	CARBON FILM
R175	2412318058	1.5 k ohm ±2% ¼W	CARBON FILM
R176	2412062003	56 ohm ±5% ¼W	CARBON FILM
R177	2412318045	33 k ohm ±2% ¼W	CARBON FILM
R178	2412318074	5.6 k ohm ±2% ¼W	CARBON FILM
R179	2412118009	12 k ohm ±5% ¼W	CARBON FILM
R181	2412118009	12 k ohm ±5% ¼W	CARBON FILM
R182	2412085006	510 ohm ±5% ¼W	CARBON FILM
R183	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R184	2412110007	5.6 k ohm ±5% ¼W	CARBON FILM
R185	2412109005	5.1 k ohm ±5% ¼W	CARBON FILM
R186	2412130003	39 k ohm ±5% ¼W	CARBON FILM
R187	2412110007	5.6 k ohm ±5% ¼W	CARBON FILM
R188	2412120000	15 k ohm ±5% ¼W	CARBON FILM
R189	2412112005	6.2 k ohm ±5% ¼W	CARBON FILM
R191	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R192	1412156003	470 k ohm ±5% ¼W	CARBON FILM
R193	1412156003	470 k ohm ±5% ¼W	CARBON FILM
R194	2412120000	15 k ohm ±5% ¼W	CARBON FILM
R195	2412072006	150 ohm ±5% ¼W	CARBON FILM
R196	2412102002	2.7 k ohm ±5% ¼W	CARBON FILM
R197	2412136007	68 k ohm ±5% ¼W	CARBON FILM
R198	2412130003	39 k ohm ±5% ¼W	CARBON FILM
R199	2412108006	4.7 k ohm ±5% ¼W	CARBON FILM
R200	2412048001	15 k ohm ±5% ¼W	CARBON FILM
R201	2412110007	5.6 k ohm ±5% ¼W	CARBON FILM
R202	2412134009	56 k ohm ±5% ¼W	CARBON FILM
R203	2412108006	4.7 k ohm ±5% PW	CARBON FILM
R204	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R205	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R206	2412124006	22 k ohm ±5% ¼W	CARBON FILM
R208	2412104000	3.3 k ohm ±5% ¼W	CARBON FILM
R209	2412120000	15 k ohm ±5% ¼W	CARBON FILM
R211	2412116001	10 k ohm ±5% ¼W	CARBON FILM
R212	2412090004	820 ohm ±5% ¼W	CARBON FILM
R213	2412112005	6.8 k ohm ±5% ¼W	CARBON FILM
R214	2412072006	150 ohm ±5% ¼W	CARBON FILM
R215	2412056006	33 ohm ±5% ¼W	CARBON FILM
R216	2412056006	33 ohm ±5% ¼W	CARBON FILM
R217	2412128002	33 k ohm ±5% ¼W	CARBON FILM
R218	2412092002	1 K ohm ±5% ¼W	CARBON FILM

Ref. No.	Part No.	Part Name & Description
R401	2412130003	39 k ohm ±5% ¼W CARBON FILM
R402	2412072006	150 ohm ±5% ¼W CARBON FILM
R404	2412124006	22 k ohm ±5% ¼W CARBON FILM
R405	2412162000	820 k ohm ±5% ¼W CARBON FILM
R407	2412119008	13 k ohm ±5% ¼W CARBON FILM
R409	2412116001	10 k ohm ±5% ¼W CARBON FILM
R411	2412164008	1 M ohm ±5% ¼W CARBON FILM
R412	2412110007	5.6 k ohm ±5% ¼W CARBON FILM
R413	2412120000	15 k ohm ±5% ¼W CARBON FILM
R414	2412128002	33 k ohm ±5% ¼W CARBON FILM
R415	2412062003	56 ohm ±5% ¼W CARBON FILM
R416	2412318074	5.6 k ohm ±2% ¼W CARBON FILM
R417	2412318016	47 k ohm ±2% ¼W CARBON FILM
R418	2412318087	15 k ohm ±2% ¼W CARBON FILM
R419	2412320020	1.3 k ohm ±2% ¼W CARBON FILM
R420	2412144002	150 k ohm ±5% ¼W CARBON FILM
R421	2412318087	15 k ohm ±2% ¼W CARBON FILM
R422	2412318058	1.5 k ohm ±2% ¼W CARBON FILM
R423	2412062003	56 ohm ±5% ¼W CARBON FILM
R424	2412319002	8.2 M ohm ±5% ¼W CARBON FILM
R425	2412318090	820 k ohm ±2% ¼W CARBON FILM
R426	2412318045	33 k ohm ±2% ¼W CARBON FILM
R427	2412318074	5.6 k ohm ±2% ¼W CARBON FILM
R428	2412118009	12 k ohm ±5% ¼W CARBON FILM
R429	2412118009	12 k ohm ±5% ¼W CARBON FILM
R431	2412116001	10 k ohm ±5% ¼W CARBON FILM
R432	2412116001	10 k ohm ±5% ¼W CARBON FILM
R433	2412318061	3.3 k ohm ±2% ¼W CARBON FILM
R434	2412140006	100 k ohm ±5% ¼W CARBON FILM
R435	2412116001	10 k ohm ±5% ¼W CARBON FILM
R436	241215800	560 k ohm ±5% ¼W CARBON FILM
R437	2412132001	47 k ohm ±5% ¼W CARBON FILM
R438	2412132001	47 k ohm ±5% ¼W CARBON FILM
R439	2412100004	2.2 k ohm ±5% ¼W CARBON FILM
R440	2412140006	100 k ohm ±5% ¼W CARBON FILM
R441	2412158001	560 k ohm ±5% ¼W CARBON FILM
R442	2412132001	47 k ohm ±5% ¼W CARBON FILM
R443	2412122008	18 k ohm ±5% ¼W CARBON FILM
R444	2412128002	33 k ohm ±5% ¼W CARBON FILM
R445	2412074004	180 ohm ±5% ¼W CARBON FILM
R450	2412144002	150 ohm ±5% ¼W CARBON FILM
R457	2412068007	100 ohm ±5% ¼W CARBON FILM
R467	2412062003	56 ohm ±5% ¼W CARBON FILM
R468	2412319002	8.2 M ohm ±5% ¼W CARBON FILM
R469	2412318090	820 k ohm ±2% ¼W CARBON FILM
R470	2412320020	1.3 k ohm ±2% ¼W CARBON FILM
R471	2412318074	5.6 k ohm ±2% ¼W CARBON FILM
R472	2412318016	47 k ohm ±2% ¼W CARBON FILM
R473	2412318087	15 k ohm ±2% ¼W CARBON FILM
R474	2412318087	15 k ohm ±2% ¼W CARBON FILM
R475	2412318058	1.5 k ohm ±2% ¼W CARBON FILM
R476	2412062003	56 ohm ±5% ¼W CARBON FILM
R477	2412318045	33 k ohm ±2% ¼W CARBON FILM
R478	2412318074	5.6 k ohm ±2% ¼W CARBON FILM
R479	2412118009	12 k ohm ±5% ¼W CARBON FILM
R481	2412118009	12 k ohm ±5% ¼W CARBON FILM
R482	2412085006	510 ohm ±5% ¼W CARBON FILM
R483	2412116001	10 k ohm ±5% ¼W CARBON FILM
R484	2412110007	5.6 k ohm ±5% ¼W CARBON FILM
R485	2412109005	5.1 k ohm ±5% ¼W CARBON FILM
R486	2412130003	3.9 k ohm ±5% ¼W CARBON FILM
R487	2412110007	5.6 k ohm ±5% ¼W CARBON FILM
R488	2412120000	15 k ohm ±5% ¼W CARBON FILM
R489	2412112005	6.8 k ohm ±5% ¼W CARBON FILM
R491	2412116001	10 k ohm ±5% ¼W CARBON FILM
R492	2412156003	470 k ohm ±5% ¼W CARBON FILM
R493	2412156003	470 k ohm ±5% ¼W CARBON FILM
R494	2412120000	15 k ohm ±5% ¼W CARBON FILM
R495	2412072006	150 ohm ±5% ¼W CARBON FILM
R496	2412102002	2.7 k ohm ±5% ¼W CARBON FILM
R497	2412136007	68 k ohm ±5% ¼W CARBON FILM
R498	2412130003	3.9 k ohm ±5% ¼W CARBON FILM
R499	2412108006	4.7 k ohm ±5% ¼W CARBON FILM

Ref. No.	Part No.	Part Name & Description
VR101	EP-5462H7	SEMI FIXED RESISTOR 1 k ohm
VR102	EP-5462H17	SEMI FIXED RESISTOR 47 k ohm
VR103	EP-5462H22	SEMI FIXED RESISTOR 330 k ohm
VR105	2118065003	VARIABLE RESITOR 100 k ohm
VR107	EP-5462H17	SEMI FIXED RESISTOR 47 k ohm
VR108	EP-5462H11	SEMI FIXED RESISTOR 4.7 k ohm
VR110	EP-5462H20	SEMI FIXED RESISTOR 150 k ohm
VR401	EP-5462H7	SEMI FIXED RESISTOR 1 k ohm
VR402	EP-5462H17	SEMI FIXED RESISTOR 47 k ohm
VR403	EP-5462H22	SEMI FIXED RESISTOR 330 k ohm
VR405	2118065003	VARIABLE RESISTOR 100 k ohm
VR407	EP-5462H17	SEMI FIXED RESISTOR 47 k ohm
VR410	EP-5461H20	SEMI FIXED RESISTOR 150 k ohm

CAPACITORS

C101	2544135002	47μF	16V	ELECTROLYTIC
C102	2533631009	150pF ±5%	50V	CERAMIC
C103	2544135002	47μF	16V	ELECTROLYTIC
C104	2544135002	47μF	16V	ELECTROLYTIC
C105	2533620007	51pF ±5%	50V	CERAMIC
C106	2533603008	100pF	50V	CERAMIC
C107	2551065000	0.0027μF ±10%	50V	PLASTIC FILM
C108	2544132005	10μF	16V	ELECYROLYTIC
C109	2551068007	0.0047μF ±10%	50V	PLASTIC FILM
C110	2533611003	22pF ±5%	50V	CERAMIC
C111	2545015008	0.15μF	25V	ELECTROLYTIC
C112	2544136001	100μF	16V	ELECTROLYTIC
C113	2544132005	10μF	16V	ELECTROLYTIC
C114	2544133004	22μF	16V	ELECTROLYTIC
C115	2551120000	0.001μF ±5%	50V	PLASTIC FILM
C116	2551120068	0.0033μF ±5%	50V	PLASTIC FILM
C117	2544133004	22μF	16V	ELECTROLYTIC
C118	2544147003	2.2μF	50V	ELECTROLYTIC
C119	2551121025	0.01μF	50V	PLASTIC FILM
C120	2544140000	4.7μF	35V	ELECTRIOLYTIC
C121	2551120000	0.001μF ±5%	50V	PLASTIC FILM
C122	2551121083	0.033μF ±5%	50V	PLASTIC FILM
C123	2544132005	10μF	16V	ELECTROLYTIC
C124	2544135002	47μF	16V	ELECTROLYTIC
C125	2551122024	0.068μF ±%	50V	PLASTIC FILM
C126	2544135002	47μF	16V	ELECTROLYTIC
C127	2551120068	0.0033μF ±5%	50V	PLASTIC FILM
C128	2551120013	0.0012μF ±5%	50V	PLASTIC FILM
C129	2561030025	0.22μF ±5%	100V	METALIZED
C131	2561030009	0.68μF ±5%	100V	METALIZED
C132	2551121041	0.015μF ±5%	50V	PLASTIC FILM
C133	2544147003	2.2μF	50V	ELECTROLYTIC
C134	2533625002	82pF ±5%	50V	CERAMIC
C135	2544132005	10μF	16V	ELECTROLYTIC
C136	2544132005	10μF	16V	ELECTROLYTIC
C137	2544132005	10μF	16V	ELECTROLYTIC
C138	2544135002	47μF	16V	ELECTROLYTIC
C139	2544021006	470μF	16V	ELECTROLYTIC
C141	2544132005	10μF	16V	ELECTROLYTIC
C142	2544132005	10μF	16V	ELECTROLYTIC
C143	2544132005	10μF	16V	ELECTROLYTIC
C144	2544140000	4.7μF	35V	ELECTROLYTIC
C145	2544019005	220μF	16V	ELECTROLYTIC
C146	2544019005	220μF	16V	ELECTROLYTIC
C149	2545015008	0.15μF	25V	ELECTROLYTIC
C151	2544018006	100μF	16V	ELECTROLYTIC
C152	2544132005	10μF	16V	ELECTROLYTIC
C153	2544133004	22μF	16V	ELECTROLYTIC
C154	2551120000	0.001μF ±5%	50V	PLASTIC FILM
C155	2551120068	0.0032μF ±5%	50V	PLASTIC FILM
C156	2544140000	4.7μF	35V	ELECTROLYTIC
C157	2544133004	22μF	16V	ELECTROLYTIC
C158	2544147003	2.2μF	50V	ELECTROLYTIC
C159	2551121025	0.01μF ±5%	50V	PLASTIC FILM
C161	2551120000	0.001μF ±5%	50V	PLASTIC FILM
C162	2551121083	0.033μF ±5%	50V	PLASTIC FILM
C163	2544132005	10μF	16V	ELECTROLYTIC

Ref. No.	Part No.	Part Name & Description
C164	2544147003	2.2μF 50V ELECTROLYTIC
C165	2544135002	47μF 16V ELECTROLYTIC
C166	2544135002	47μF 16V ELECTROLYTIC
C167	2544135002	47μF 16V ELECTROLYTIC
C168	2551120068	0.0032μF ±5% 50V PLASTIC FILM
C169	2551121041	0.015μF ±5% 50V PLASTIC FILM
C170	2533611003	22pF ±5% 50V CERAMIC
C171	2561030009	0.68μF ±5% 100V METALIZED
C172	2561030025	0.22μF ±5% 100V METALIZED
C173	2551069006	0.0056μF ±10% 50V PLASTIC FILM
C174	2551073005	0.012μF ±10% 50V PLASTIC FILM
C175	2551065000	0.0027μF ±10% 50V PLASTIC FILM
C176	2551121025	0.01 F ±5% 50V PLASTIC FILM
C177	2551120000	0.001μF ±5% 50V PLASTIC FILM
C178	2551073005	0.012μF ±10% 50V PLASTIC FILM
C179	2551065000	0.0027μF ±10% 50V PLASTIC FILM
C181	2551121009	0.0068μF ±5% 50V PLASTIC FILM
C182	2544135002	47μF 16V ELECTROLYTIC
C183	2551121083	0.033μF ±5% 50V PLASTIC FILM
C184	2533629008	120pF ±5% 50V CERAMIC
C185	2544140000	4.7μF 35V ELECTROLYTIC
C186	2544146004	1μF 50V ELECTROLYTIC
C187	2544141009	10μF 35V ELECTROLYTIC
C188	2551064001	0.0022μF ±10% 50V PLASTIC FILM
C189	2551121009	0.0068μF ±5% 50V PLASTIC FILM
C191	2551068007	0.0047μF ±10% 50V PLASTIC FILM
C192	2533627000	100pF ±5% 50V CERAMIC
C194	2554036007	0.0033μF ±10% 630V PLASTIC FILM
C402	2533631009	150pF ±5% 50V CERAMIC
C403	2544135002	47μF 16V ELECTROLYTIC
C405	2533620007	100pF ±5% 50V CERAMIC
C406	2533603008	10pF ±5% 50V CERAMIC
C407	2551065000	0.0027μF ±10% 50V PLASTIC FILM
C408	2544132005	10μF 16V ELECTROLYTIC
C409	2551068007	0.0047μF ±10% 50V PLASTIC FILM
C410	2533611003	22pF ±5% 50V CERAMIC
C411	2545015008	0.15μF 25V ELECTROLYTIC
C412	2544018006	100μF 16V ELECTROLYTIC
C413	2544132005	10μF 16V ELECTROLYTIC
C414	2544133004	22μF 16V ELECTROLYTIC
C415	2551120000	0.001μF ±5% 50V PLASTIC FILM
C416	2551120068	0.0033μF ±5% 50V PLASTIC FILM
C417	2544133004	22μF 16V ELECTROLYTIC
C418	2544147003	2.2μF 50V ELECTROLYTIC
C419	2551121025	0.01μF 50V PLASTIC FILM
C420	2544140000	4.7μF 35V ELECTROLYTIC
C421	2551120000	0.001μF ±5% 50V PLASTIC FILM
C422	2551121083	0.033μF ±5% 50V PLASTIC FILM
C423	2544132005	10μF 16V ELECTROLYTIC
C424	2544135002	47μF 16V ELECTROLYTIC
C425	2551122024	0.068μF ±5% 50V PLASTIC FILM
C426	2544017007	47μF 16V ELECTROLYTIC
C427	2551120068	0.033μF ±5% 50V PLASTIC FILM
C428	2551120013	0.0012μF ±5% 50V PLASTIC FILM
C429	2561030025	0.22μF ±5% 100V METALIZED
C431	2561030009	0.68μF ±5% 100V METALIZED
C432	2551121041	0.015μF ±5% 50V PLASTIC FILM
C433	2544147003	2.2μF 50V ELECTROLYTIC
C434	2533625002	82pF ±5% 50V CERAMIC
C435	2544132005	10μF 16V ELECTROLYTIC
C436	2544132005	10μF 16V ELECTROLYTIC
C437	2544132005	10μF 16V ELECTROLYTIC
C438	2544135002	47μF 16V ELECTROLYTIC
C449	2545015008	0.15μF 25V ELECTROLYTIC
C451	2544136001	100μF 16V ELECTROLYTIC
C452	2544132005	10μF 16V ELECTROLYTIC
C453	2544133004	22μF 16V ELECTROLYTIC
C454	2551120000	0.001μF ±5% 50V PLASTIC FILM
C455	2551120068	0.0032μF ±5% 50V PLASTIC FILM
C456	2544034006	4.7μF 35V ELECTROLYTIC
C457	2544133004	22μF 16V ELECTROLYTIC
C458	2544147003	2.2μF 50V ELECTROLYTIC

Ref. No.	Part No.	Part Name & Description
C459	2551121025	0.01μF ±5% 50V PLASTIC FILM
C461	2551120000	0.001μF ±5% 50V PLASTIC FILM
C462	2551121083	0.033μF ±5% 50V PLASTIC FILM
C463	2544132005	10μF 16V ELECTROLYTIC
C464	2544147003	2.2μF 50V ELECTROLYTIC
C465	2544135002	47μF 16V ELECTROLYTIC
C466	2544135002	47μF 16V ELECTROLYTIC
C467	2544135002	47μF 16V ELECTROLYTIC
C468	2544135002	47μF 16V ELECTROLYTIC
C469	2551121041	0.015μF ±5% 50V PLASTIC FILM
C470	2533611003	22pF ±5% 50V CERAMIC
C471	2561030009	0.68μF ±5% 100V METALIZED
C472	2561030025	0.22μF ±5% 100V METALIZED
C473	2551069006	0.0056μF ±10% 50V PLASTIC FILM
C474	2551073005	0.012μF ±10% 50V PLASTIC FILM
C474	2551073005	0.012μF ±10% 50V PLASTIC FILM
C475	2551065000	0.0027μF ±10% 50V PLASTIC FILM
C476	2551121025	0.01μF ±5% 50V PLASTIC FILM
C477	2551120000	0.001μF ±5% 50V PLASTIC FILM
C478	2551073005	0.012μF ±10% 50V PLASTIC FILM
C479	2551065000	0.027μF ±10% 50V PLASTIC FILM
C481	2551121009	0.0068μF ±5% 50V PLASTIC FILM
C482	2544135002	47μF 16V ELECTROLYTIC
C483	2551121083	0.033μF ±5% 50V PLASTIC FILM
C484	2533629008	120PF ±5% 50V CERAMIC
C492	2533627000	100PF ±5% 50V CERAMIC

COILS

L101	2310818003	TRAP FILTER
L102	2328036000	MPX FILTER
L103	TRT094436	INDUCTOR
L104	2310802103	TRAP COIL
L105	2310806002	OSC COIL
L401	2310818003	TRAP FILTER
L402	2328036000	MPX FILTER
L403	TRT094436	INDUCTOR
L404	2310802103	TRAP COIL

OTHER PARTS

	2228411107	Audio P.C. BOARD	
J102	2049626003	HEADPHONE JACK	
S2	2123327008	TAPE SELECTOR	
S5	2129162005	LEVER SWITCH	
S3	2129163004	SWITCH CONTROL UNIT	
	2129164003	SLIDE SWITCH	
	4358017013	FLEX WIRE	
S1	2129165002	SWITCH CONTROL UNIT	
S4	2129165002	SWITCH CONTROL UNIT	
	2129166001	SLIDE SWITCH	USED 2
	4358018009	FLEX WIRE	
	4358020000	FLEX WIRE	
RR101	2140020003	REED RELAY	
	2032075001	2P CONNECTOR BASE	USED 2
	2035622008	3P MINI CONNE PIN	
	2035622024	4P MINI CONNE PIN	
	2090008120	JUMPER 10mm	USED 2
	2090042908	0.6 JUMPER WIRE	USED 75
	2050134908	TERMINAL PIN	USED 44
	2098240003	SHIELDED WIRE ASS'Y	BROWN 200mm
	2098241002	SHIELDED WIRE ASS'Y	YELLOW 200mm
	2098242014	SHIELDED WIRE ASS'Y	GREY 500mm
	2098243000	SHIELDED WIRE ASS'Y	GREEN 350mm
	2098202025	SHIELDED WIRE ASS'Y	RED 300mm
	2098209031	SHIELDED WIRE ASS'Y	WHITE 350mm

KU-0414 CONTROL/OTHER UNIT

Ref. No.	Part No.	Part Name & Description
		SEMICONDUCTORS
D301	3939079002	LN322GP LED (GREEN)
D302	3939099008	LN422YP LED (ORANGE)
D303	3939078003	LN222RP LED (RED)
PAUSE	3939099008	LN422YP LED (ORANGE)
PLAY	3939079002	LN322GP LED (GREEN)
REC.	3939078003	LN222RP LED (RED)
POWER	3939079002	LN322GP LED (GREEN)
		OTHER PARTS
	2228465108	PEAK IND. P.C. BOARD
	2228410001	CONTROL P.C. BOARD
	2228466107	POWER IND. P.C. BOARD
START	2129130008	PUSH SWITCH
STOP	2129130008	PUSH SWITCH
FF	2129130008	PUSH SWITCH
REW	2129130008	PUSH SWITCH
PAUSE	2129130008	PUSH SWITCH
REC	2129130008	PUSH SWITCH
	4498055003	LED SUPPORT (A)
	1018306106	LED GUIDE
	2039632036	5P MINI CONNE CORD
	2045377042	9P MINI CONNE CORD
	2098169113	WRAPPING WIRE PINK
	2098170115	WRAPPING WIRE BROWN
	2098171114	WRAPPING WIRE BLUE
	2098173109	WRAPPING WIRE GREEN

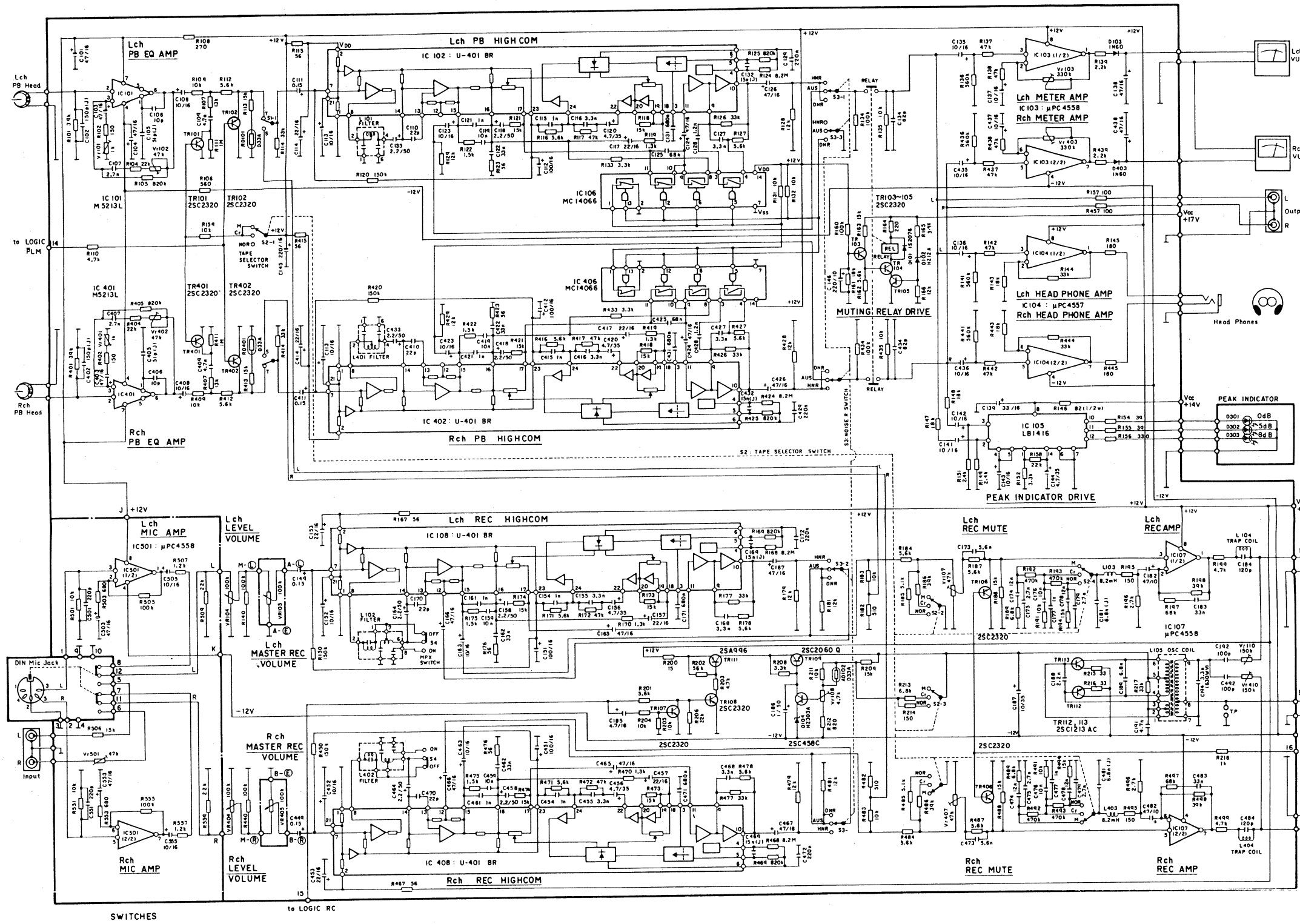
KU-0416 POWER WIRING UNIT

Ref. No.	Part No.	Part Name & Description
		RESISTORS
R701	2410163001	120 ohm ±5% ½W CARBON FILM
		CAPACITORS
C701	2518001007	0.01μF 450VAC OIL
		OTHER PARTS
	2228412009	POWER, P.C. BOARD
	FEP 1287	FUSE HOLDER USED 2
FUSE	2061015045	FUSE 315mA 250V
	EE-1656	BASE TERMINAL USED 4

KU-0418 MIC AMP/OTHER UNIT

Ref. No.	Part No.	Part Name & Description
		SEMICONDUCTORS
IC501	2630126006	μPC4558 INTEGRATED CIRCUIT
TR601	2730204019	2SC2320F TRANSISTOR
TR602	2730204019	2SC2320F TRANSISTOR
TR603	2730204019	2SC2320F TRANSISTOR
		RESISTORS
R501	2412116001	10 k ohm ±5% ¼W CARBON FILM
R503	2412088003	680 ohm ±5% ¼W CARBON FILM
R505	2412140006	100 k ohm ±5% ¼W CARBON FILM
R506	2412120000	15 k ohm ±5% ¼W CARBON FILM
R507	2412094000	1.2 k ohm ±5% ¼W CARBON FILM
R509	2412124006	22 k ohm ±5% ¼W CARBON FILM
R551	2412116001	10 k ohm ±5% ¼W CARBON FILM
R553	2412088003	680 ohm ±5% ¼W CARBON FILM
R555	2412140005	100 k ohm ±5% ¼W CARBON FILM
R557	2412094000	1.2 k ohm ±5% ¼W CARBON FILM
R559	2412124006	22 k ohm ±5% ¼W CARBON FILM
R601	2412092002	1 k ohm ±5% ¼W CARBON FILM
R602	2412108006	4.7 k ohm ±5% ¼W CARBON FILM
R603	2412116001	10 k ohm ±5% ¼W CARBON FILM
R604	2412116001	10 k ohm ±5% ¼W CARBON FILM
R605	2412092002	1 k ohm ±5% ¼W CARBON FILM
R606	2412116001	10 k ohm ±5% ¼W CARBON FILM
R607	2412116001	10 k ohm ±5% ¼W CARBON FILM
VR501	EP-5462H17	SEMI FIXED RESISTOR 47 k ohm
		CAPACITORS
C501	2533635005	220pF ±5% 50V CERAMIC
C503	2544135002	47μF 16V ELECTROLYTIC
C505	2544132005	10μF 16V ELECTROLYTIC
C551	2533635005	220pF ±5% 50V CERAMIC
C553	2544135002	47μF 16V ELECYROLYTIC
C555	2544132005	10μF 16V ELECTROLYTIC
C601	2544145005	0.47μF 50V ELECTROLYTIC
C602	2551060005	0.001μF ±10% 50V PLASTIC FILM
C603	2551060005	0.001μF ±10% 50V PLASTIC FILM
		OTHER PARTS
	2228459004	MIC AMP P.C. BOARD
	2048096003	DIN JACK ASS'Y
	2032075001	2P CONNECTOR BASE
	2048021007	4P CONNECTOR BASE
	2035622053	12P MINI CONNE. PIN
	2033663001	2P MINI CONNE. CORD
	2047779208	12P MINI CONNE CORD
	2050134908	TERMINAL PIN USED 19
	2090042908	0.6 JUMPER WIRE USED 4

CG356 Stereo AUDIO AMP WIRING DIAGRAM



SWITCHES

- S1 : MONITOR SWITCH ..... TAPE / SOURCE
- S2 : BANDSORTE SWITCH ..... METAL / CrO2 / NORMAL
- S3 : COMPANDER SWITCH ..... HNR / AUS / DNR
- S4 : MPX FILTER SWITCH ..... EIN / AUS

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
R	J5	K5	K5	K5	L5	L5														K13				Q9	K14		N9	M17	L17	M18	O3	P2	K
C									J8							H16	J16	G15	G12	Q18	P17	Q14	P18	K11	P13	Q13							
TR						M17		K16	H16	H17	G14	Q15	J10	M14	L10	N14	R14	-	K17								J13	N13	R15	M15				
D							J2	H2							J7	J8	J6	K8	L16	L16	J6		K15	J15	J15	P10							
IC	K7	P8	L9	M12	Q3	P11	P6	016	A13																								
ZD	F13																																

0	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
R	P15	O15	P16	N15	P16	O17	M16	M16	K10	K10	M10	M13	M13	O13	M13	P13	P15	N14	O14	Q3				J12	L8	L16	K17	

100	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
R	Q17	Q15		P18	P16	R19	O13	N16	O14	M22	Q15	N14	N14	L16	H14	A12	B13	B14	A14	C13	A17	C17	B15	F15	F15	E16	E16	G17	F19		H18	J19	F1
C	O23	Q18	P15	R18	Q16	O15	P17	O15	P14	D17	F15	B11	B14	F14	B12	B12	A16	B17	B17	C14	B16	A15	C18	F17	G17	E17	G16	F16	E13		D13	E15	E1
TR	Q14	N15	L4	K5	K4	P8	W22	U22	T20	V19	T21	V4	T4																				
D	K6	L3	O8	U19																													
IC	P16	D15	M10	K13	N3	J17	R7	D4																									
VR	Q15	O18	M8		Z20		R11	V20		R2																							
RD	N13	V22																															

100	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
R		N2	N2	N2	K8	O2	P13	L5	M5	L4	L2	K3	L2	L3	H1	E2	F2	B4	B2	B2	B3	A6	C5	B4	F4	F5	G2		G6	L16	L16	O13	S8
C	G1	B1	B2	A2	A5	B6	B5		B5	A4	D6	E5	E5	F5	F3	F4	E3	D5	D1	D1	R10	W16	V16	S14	S13	S15	S14		S6	S6	P6	Q4	V2

200	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
R	S20	T23	S21	T22	W22	W22	T22		T20	U20		V21	W20	U20	U20	T4	U5	V4	P9

300	1	2	3
D	A6	A2	A4

700	1
R	F6
C	C7

400	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
R	Q21	Q19		Q22	P20		O22		O20		M21	N22	M23	L19	F19	B18	B19	B20	B20	C19	A23	B23	B21	F19	F20	E21	E22	L21	L21		H20	J20	C2
C		Q21	P19		R20	P19	P21	O19	N21	C22	F20	B18	A21	E19	B19	B19	B21	A22	B23	A20	B22	A22	D23	G22	H22	G21	F21		D18		D19	E20	C2
TR	N20	M22				P10																											
D			O12																														
IC	P20	D21				H22		D8																									
VR	R20	O21	M11		Z22		Q11			R3																							
RD	M23																																

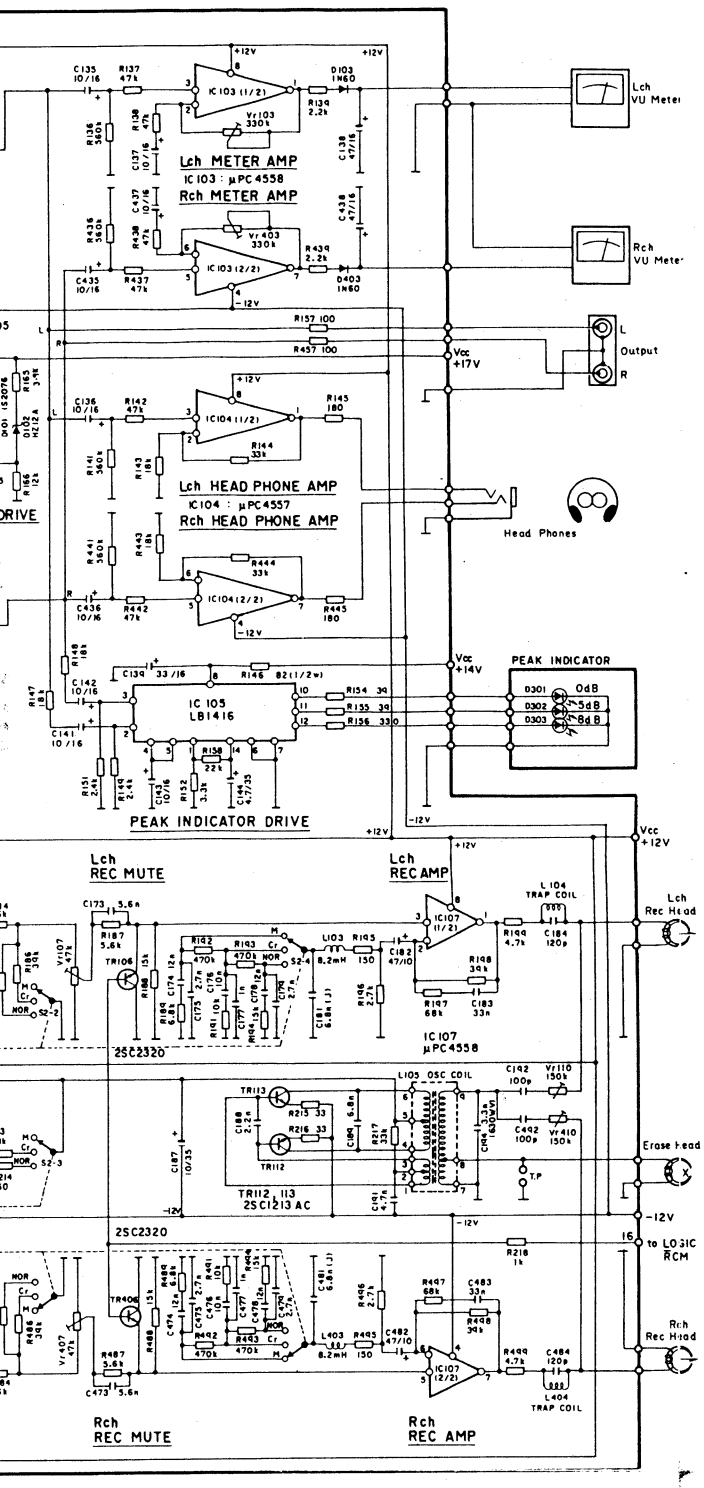
600	1	2	3	4	5	6
R	J6	J5	J7	G8	G7	G8
C	F7	H7	J7			
TR	H6	H8	J8			

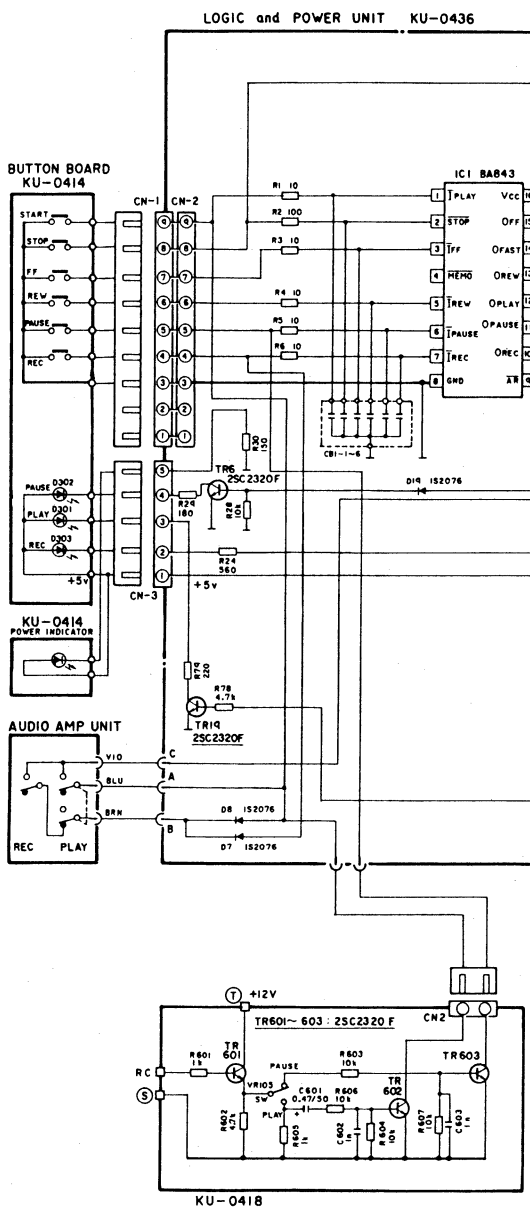
400	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	8
R					L8										J7	F7	F7	B8	B7	B7	B8	A11	C10	B9	F9	F10	G8		C11	L18	M13	O12	Q
C	G7	B6	B8	A8	B10	B11	B10		B10	B9	D11	D10	E10	F10	F8	F9	E8	D10	D6	E6	Q10	S16	S15	T17	U16	W14	V14		T8	T7	Q9	R5	

500	1	2	3	4	5	6	7	8	9	53	55	59	57	51
R	D5		C6		D5	D2	D3		D1	D7	D7	D2	D3	E4
C	D5		B6		C5					B7	C6			E6
TR														
IC	D6													
VR	C2													

800	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
R	A13	A12	A11	B13	C13	B11	C11	D11	A7	A8	A11	B8	C8	B9	C9	D9	D5
C	C10	B10	F6	E5	F11	G11	G5										
TR	B13	B11	B12	C12	B8	A9	B9	C8	A6	B6	D13	D5					
D	C11	C12	D12	C9	C9	C8	C5	F4	F4								
IC	F11																
ZD	D8	D8	D8														

CG356 Stereo CONTROL WIRING DIAGRAM





No.
00
100
200
300
400
500
600
700
800
900

The reference numbe
printed circuit into gr
individual components
Example: The capacit
Amp Unit a

23	24	25	26	27	28	29	30	31	32	33	34	35	36 -	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
	Q9	K14		N9	M17	L17	M18	O3	P2	K16	N8	J6	J15	J15	J16	J16	H17	H17	F13	R9	Q18	Q16	O16	P16	N17	N17	M16	L13	P14
P18	K11	P13	Q13																										
				J13	N13	R15	M15																						
K15	J15	J15	P10																										

75	76	77	78	79	80
	J12	L8	L16	K17	

23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
315	F15	F15	E16	E16	G17	F19		H18	J19	F18	H12	M7	K9	M9	N9	N9	Y20	K10	K11	K11	K12	J13	M2	O6	O6	N5	C2	N5	P2
C18	F17	G17	E17	G16	F16	E13		D13	E15	E18	O7	L8	K10	N9	O8	M2		O4	P5	N4	D2	S20	M4			F3		A1	A3

75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
C5	B4	F4	F5	G2		G6	L16	L16	O13	S8	S9	R10	Q10	X16		S13	X12	U11	S15	T5	S5	Q6	Q6	Q5
V16	S14	S13	S15	S14		S6	S6	P6	Q4	V23	V19	V5	V3	U3		U5	S2		S1					

2	3
A2	A4

700	1
R	F6
C	C7

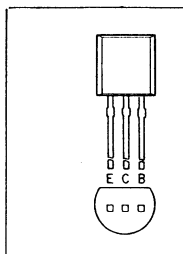
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
321	F19	F20	E21	E22	L21	L21		H20	J20	C23	H12	M7	O10	N10	O11	M12	Y22	K11	L12	K14	K14	J14					C7		
323	G22	H22	G21	F21		D18		D19	E20	C23	O7	O11	L11	N11	P11										G21	F8		A7	A9

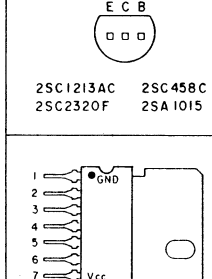
600	1	2	3	4	5	6	7
R	J6	J5	J7	G8	G7	G8	J7
C	F7	H7	J7				
TR	H6	H8	J8				

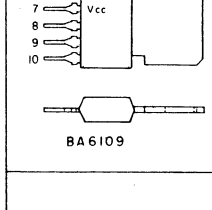
75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
210	B9	F9	F10	G8		C11	L18	M13	O12	Q12	Q13	Q10	Q8	S16		S17	V12	X11	X14	T6	T7	R9	R9	R8
215	T17	U16	W14	V14		T8	T7	Q9	R5								S3							

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
D11	A7	A8	A11	B8	C8	B9	C9	D9	D5	B5	B5		E8	F8	E4
C8	A6	B6	D13	D5											
F4	F4														

900	1	2	3	4	5	6	7	8
R	C13	C14	C16	C16	E16	C12	C13	
C	C11	B12		D13	E15	C15	F11	E12
TR	C17	C14	D14					
D	B10	D10						
IC	E17							







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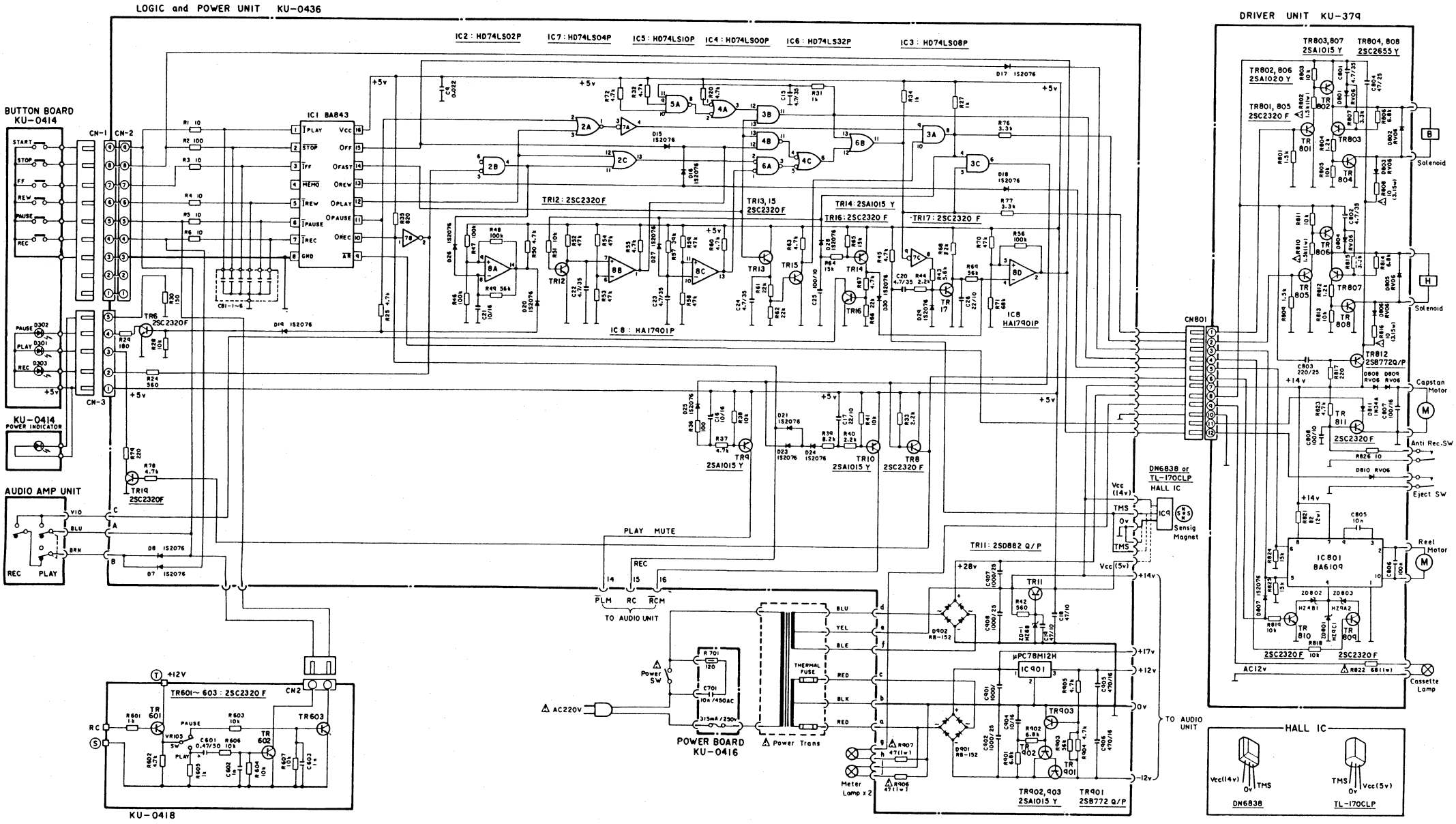
Wandalenweg 14-20 · 200

CG356 Stereo CONTROL WIRING DIAGRAM



No.		
00	KU-0436	LOGIC/POWER UNIT
100	KU-0415	AUDIO AMP UNIT
200	KU-0415	AUDIO AMP UNIT
300	KU-0414	CONTROL/OTHER UNIT
400	KU-0415	AUDIO AMP UNIT
500	KU-0418	MIC AMP/OTHER UNIT
600	KU-0418	MIC AMP/OTHER UNIT
700	KU-0416	POWER WIRING UNIT
800	KU-0379	DRIVER UNIT
900	KU-0436	LOGIC/POWER UNIT

The reference number of the respective circuit board and the division of this printed circuit into grid squares (grid size 10 mm X 10 mm) serves for locating individual components.
Example: The capacitor C102 is mounted on the circuit board for the Audio Amp Unit and the exact position is the grid square Q18.

	4	35	36	37	38	39	40	41	42	43	44	45	46	47 - 48	49	50	51	52
	I8	J6	J15	J15	J16	J16	H17	H17	F13	R9	Q18	Q16	O16	P16	N17	N17	M16	L13	P14

	2	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
		M7	K9	M9	N9	N9	Y20	K10	K11	K11	K12	J13	M2	O6	O6	N5	C2	N5	P2
	7	L8	K10	N9	O8	M2		O4	P5	N4	D2	S20	M4			F3		A1	A3

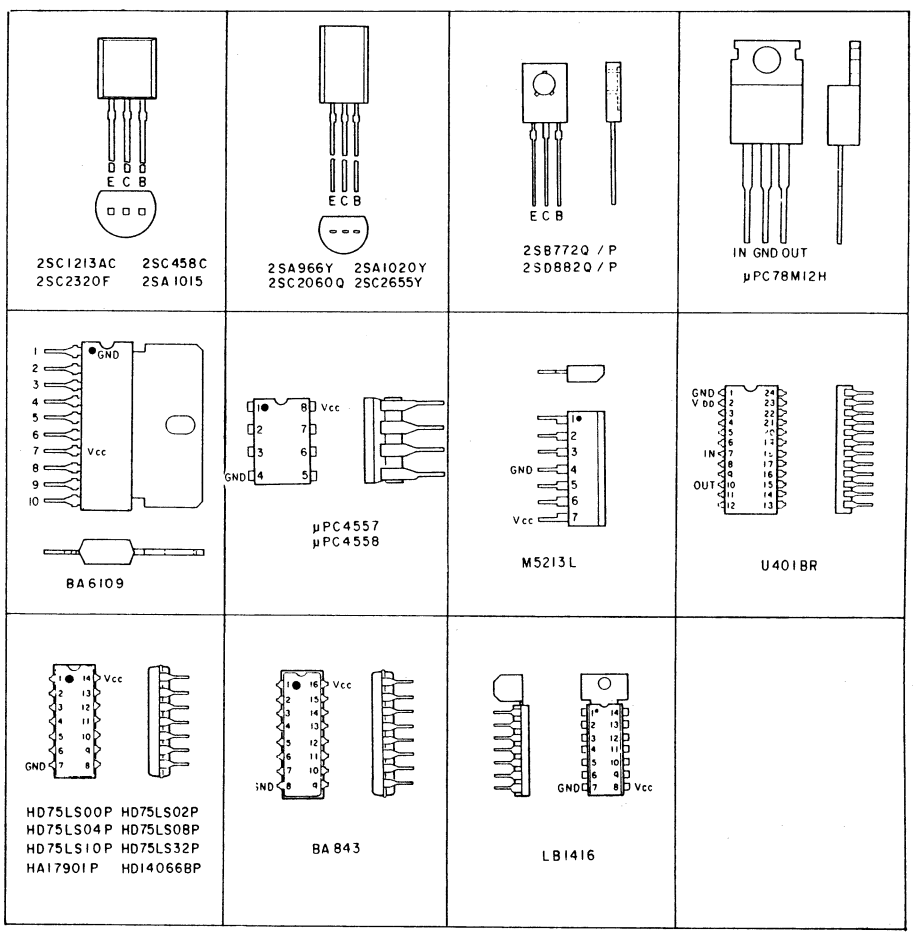
		87	88	89	90	91	92	93	94	95	96	97	98	99
		R10	Q10	X16		S13	X12	U11	S15	T5	S5	Q6	Q6	Q5
	9	V5	V3	U3		U5	S2		S1					

	2	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
		M7	O10	N10	O11	M12	Y22	K11	L12	K14	K14	J14					C7		
	7	O11	L11	N11	P11										G21	F8		A7	A9

	6	87	88	89	90	91	92	93	94	95	96	97	98	99
	Q13	Q10	Q8	S16		S17	V12 S3	X11	X14	T6	T7	R9	R9	R8

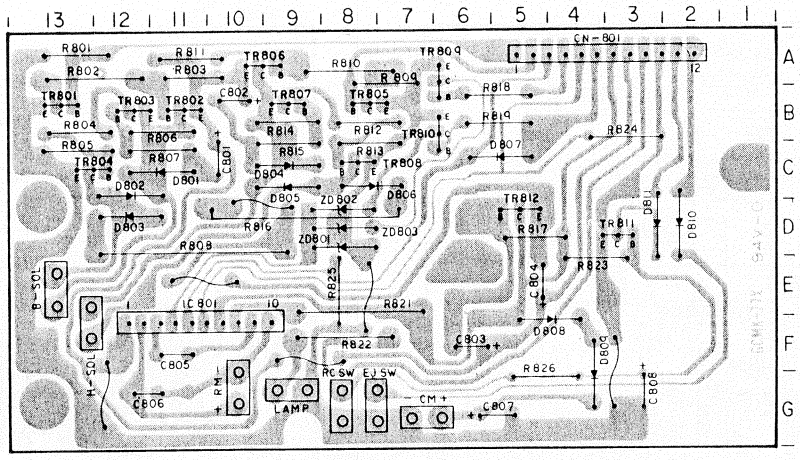
	19	20	21	22	23
	B5		E8	F8	E4

900	1	2	3	4	5	6	7	8
R	C13	C14	C16	C16	E16	C12	C13	
C	C11	B12		D13	E15	C15	F11	E12
TR	C17	C14	D14					
D	B10	D10						
IC	E17							

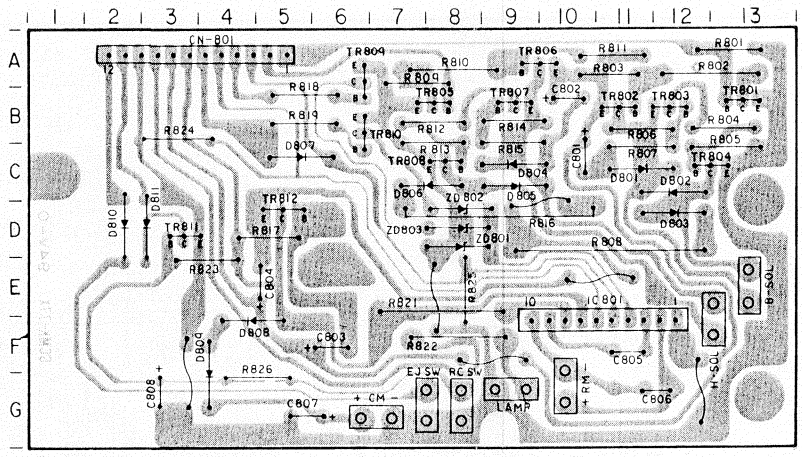


UHER **CG 356 stereo**

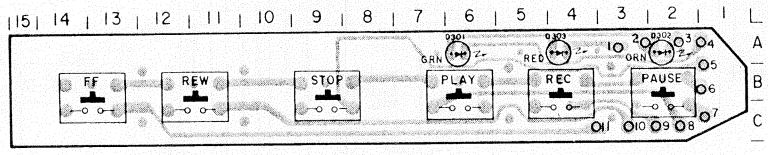
UHER Vertriebsgesellschaft mit beschränkter Haftung + Co KG
Wandalenweg 14-20 • 2000 Hamburg 1 • Telefon (040) 28741 • Telex 02-163048



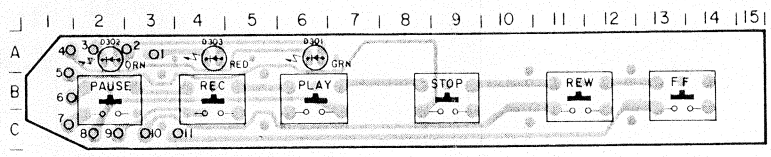
*800 KU-0379 DRIVER UNIT



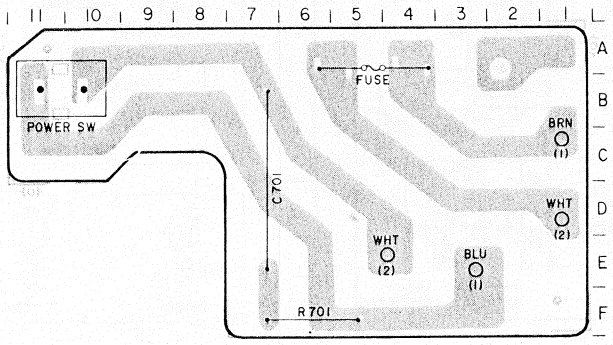
*800 KU-0379 DRIVER UNIT



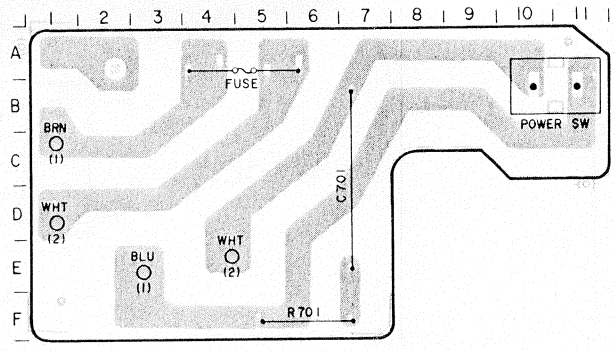
*300 KU-0414 CONTROL/OTHER UNIT



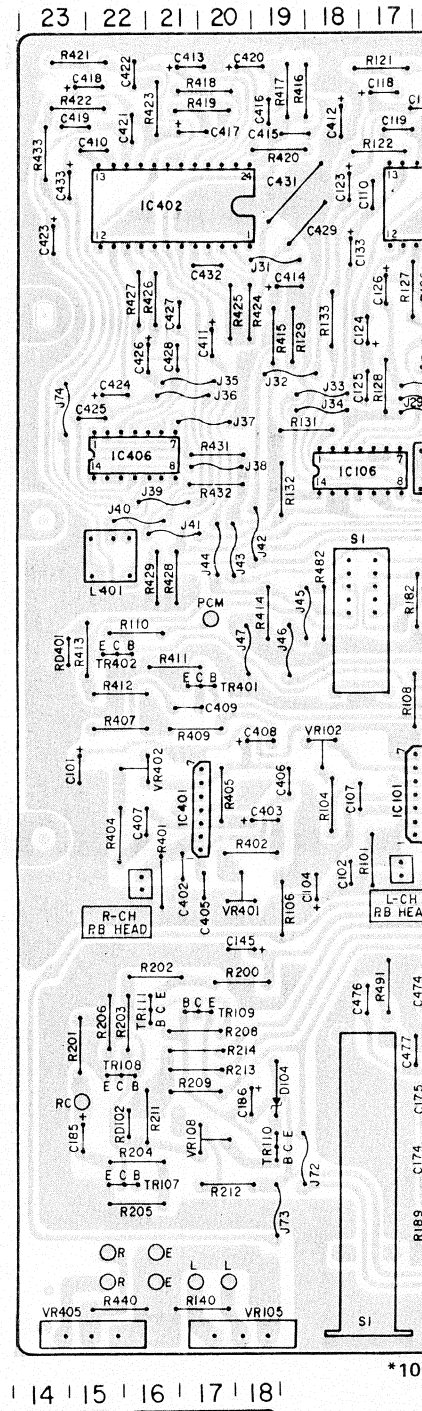
*300 KU-0414 CONTROL/OTHER UNIT



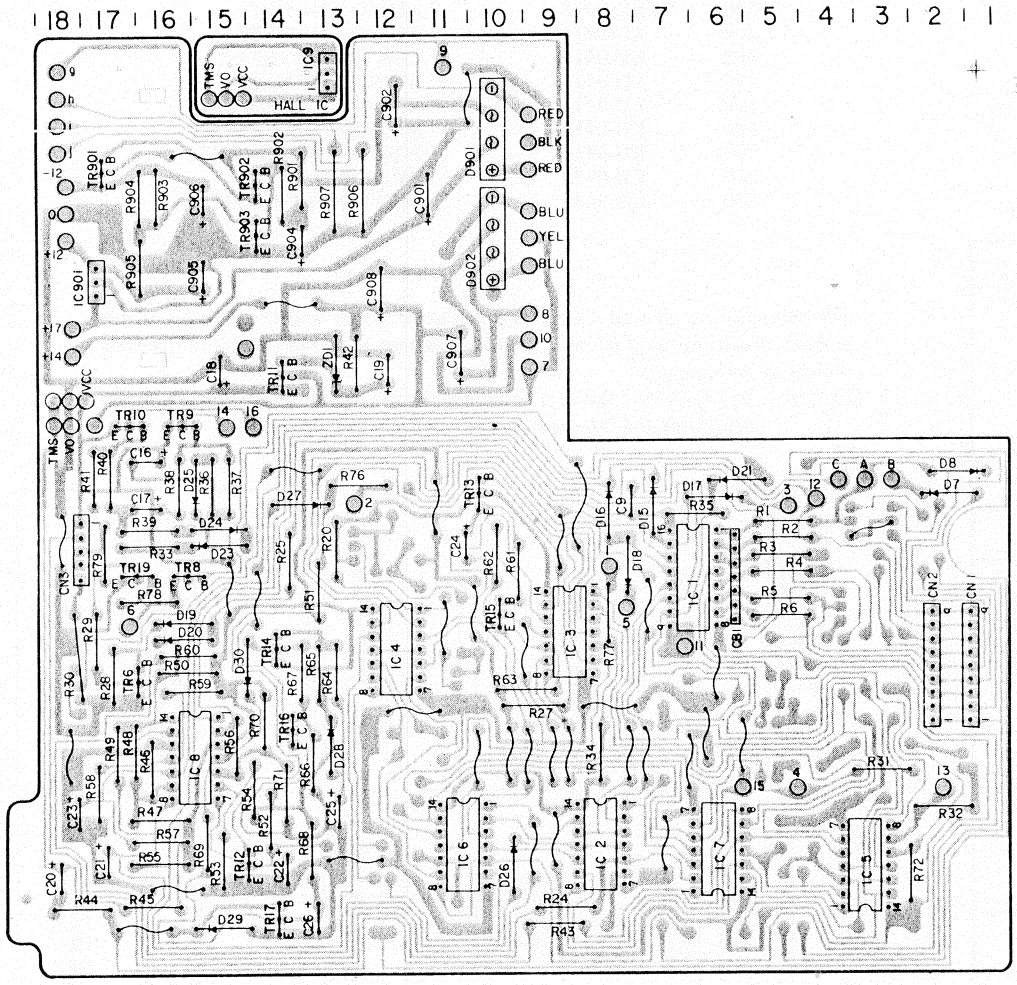
*700 KU-0416 POWER WIRING UNIT



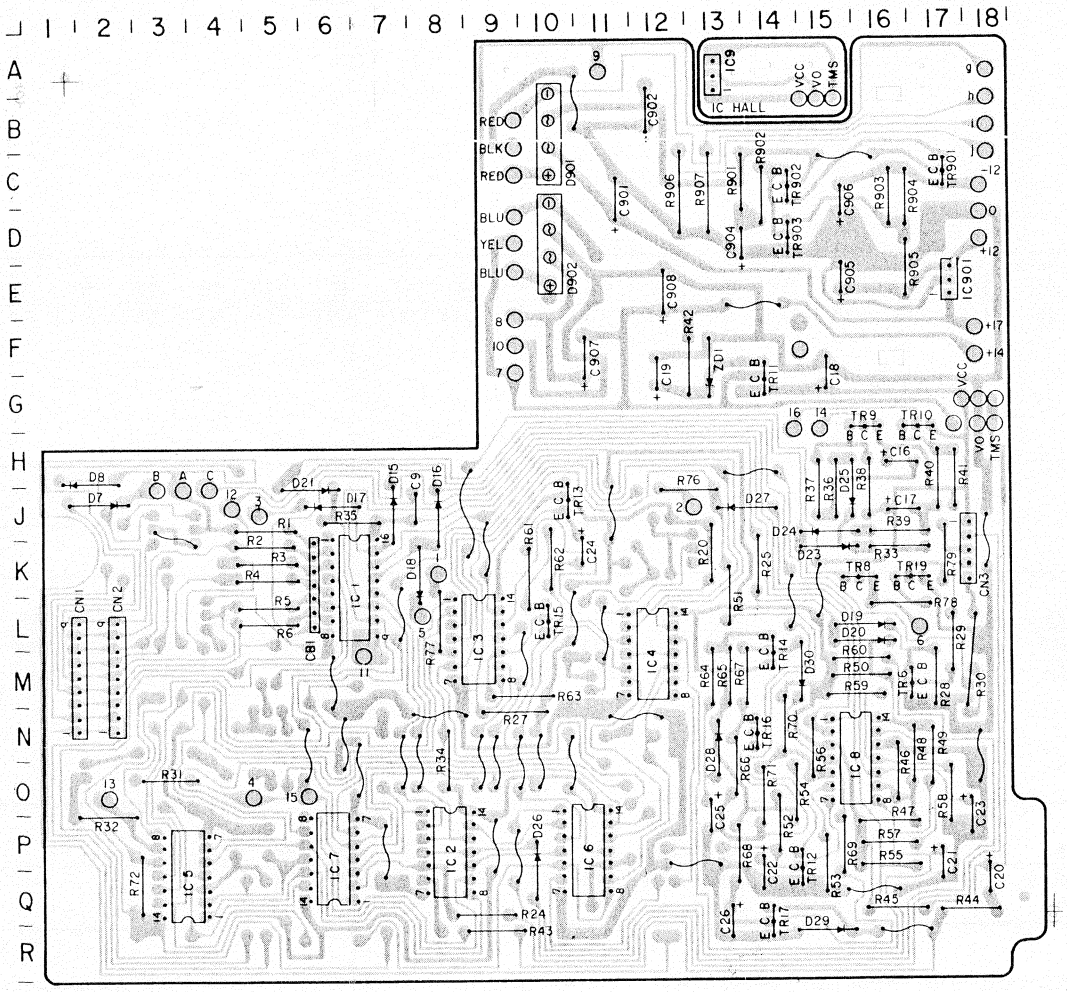
*700 KU-0416 POWER WIRING UNIT



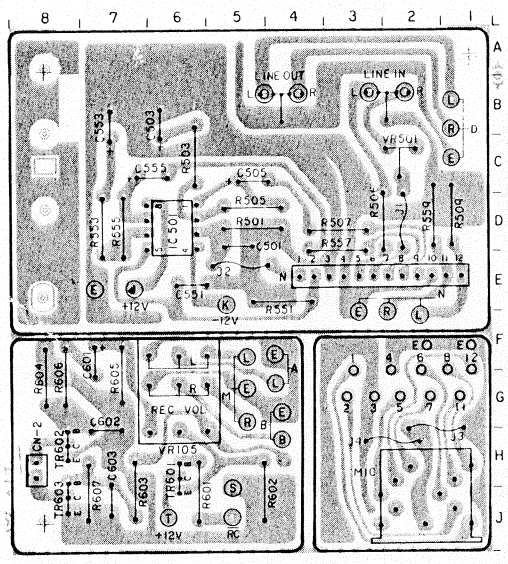
*10



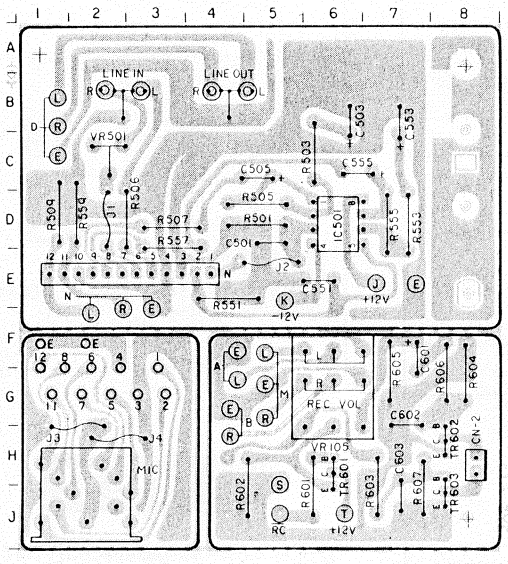
*900 KU-0436 LOGIC/POWER UNIT



*900 KU-0436 LOGIC/POWER UNIT



*500 *600 KU-0418 MIC AMP/OTHER UNIT



*500 *600 KU-0418 MIC AMP/OTHER UNIT

ADJUSTMENT

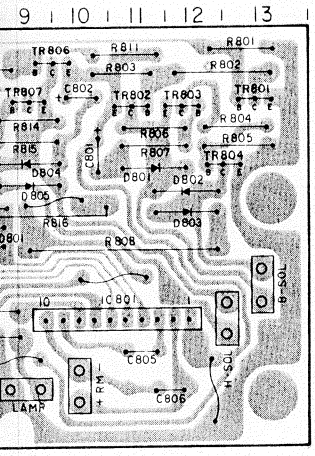
* Test instrument for adjustment

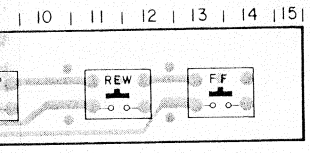
1. Adjusting screwdriver
2. Adjusting rod (square) for trap coil adjustment
3. Audio frequency generator
4. Variable resistance attenuator
5. Vacuum tube voltmeter
6. Oscilloscope
7. Frequency counter
8. Test tape (TEAC MTT-111, -114, -150, -316 or 116K)
   (BASF C401R) C-60
9. Cassette (Columbia C-120, modified)

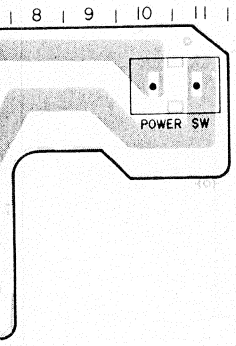
* Cautions of adjustment

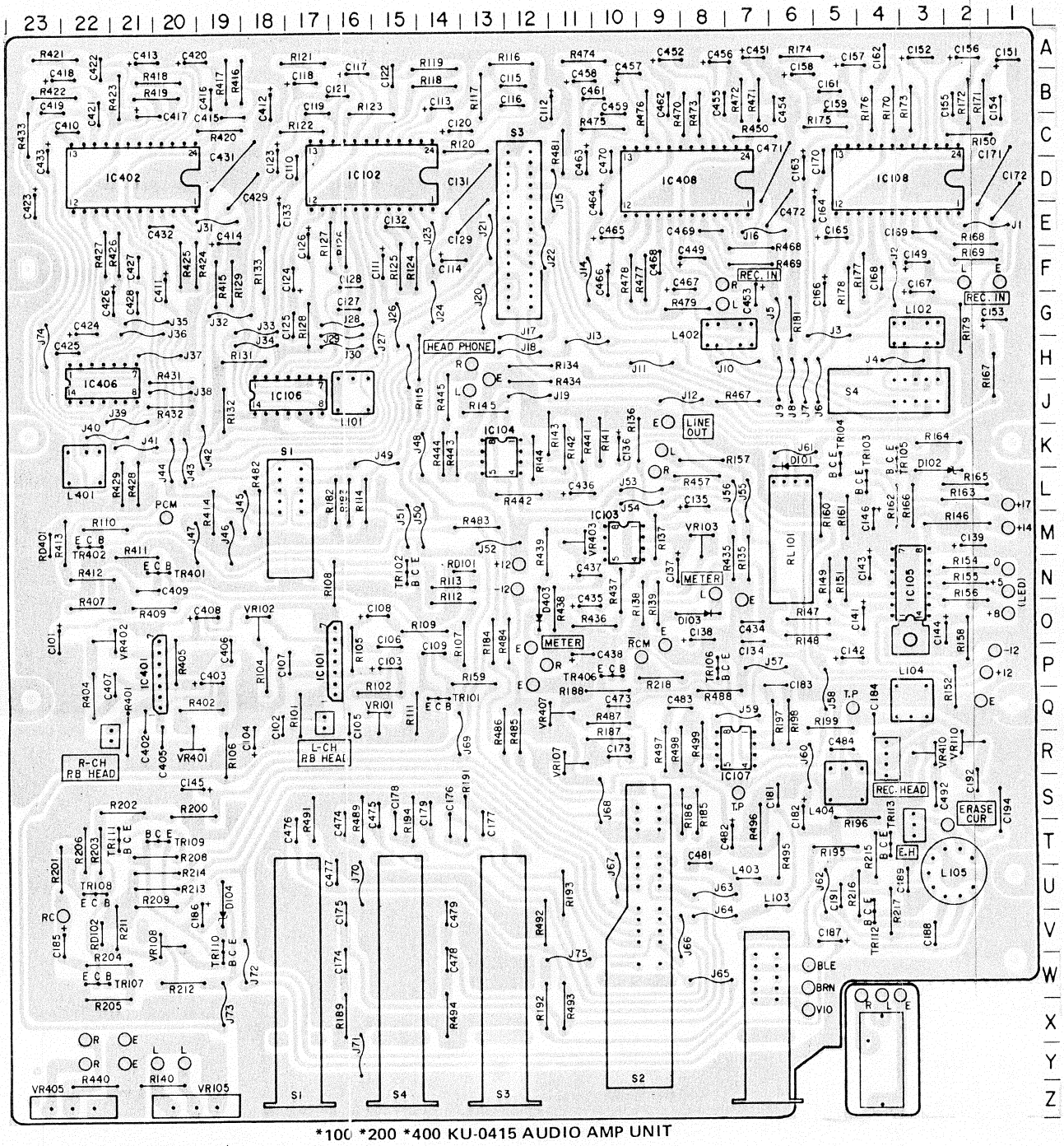
1. Before making adjustment, clean the surfaces of the heads, capstan and pichroller with a gauze or cotton swab moistened with alcohol.
2. Demagnetize the record/play head and erase head using a head eraser.
3. Thoroughly demagnetize the adjusting screwdriver.
4. Set the input volume control to the MAX (clockwise) position.
5. Unless otherwise specified, set the switches and knobs as shown below. For adjustment, use LINE IN and LINE OUT jacks.

HICOM NR switch	OFF
TAPE SELECT switch	CrO_2
MONITOR switch	TAPE
OUTPUT LEVEL knob	MAX (clockwise)
MPX FILTER	OFF

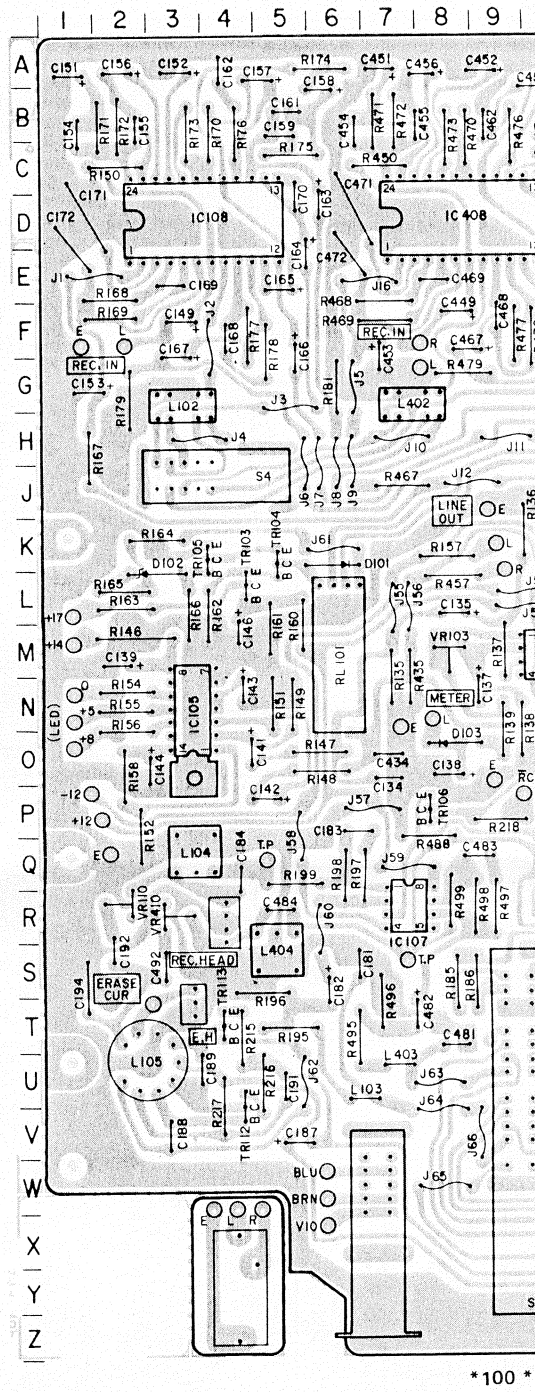




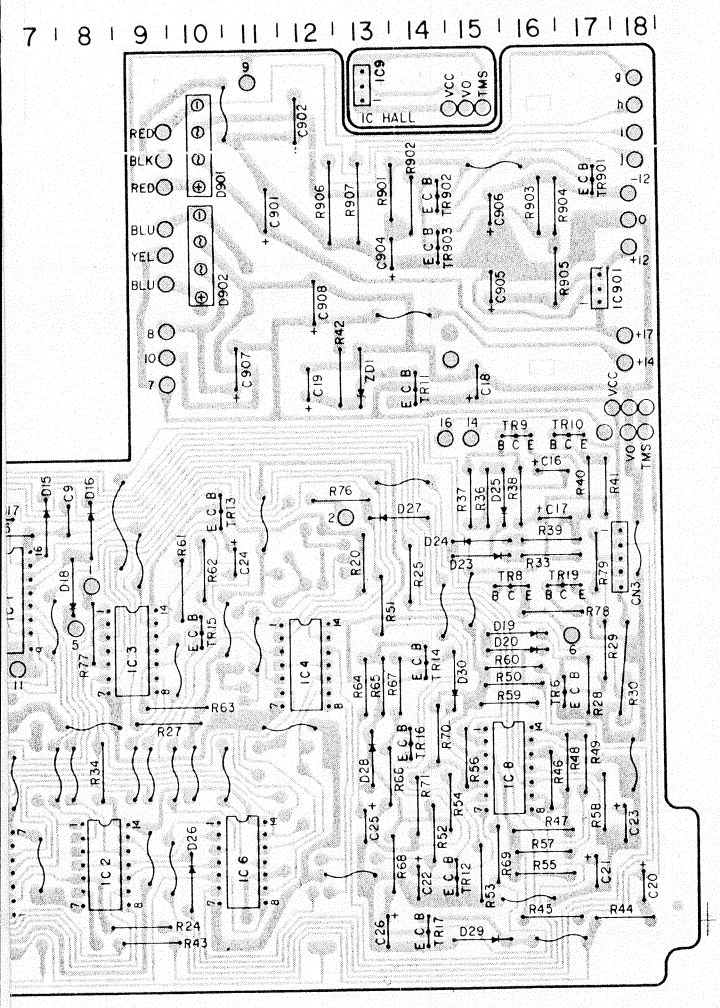




*100 *200 *400 KU-0415 AUDIO AMP UNIT



*100 *



UNIT

tment

or trap coil adjust-

or

ator

1, -114, -150, -316

), modified)

*Cautions of adjustment

1. Before making adjustment, clean the surfaces of the heads, capstan and pichroller with a gauze or cotton swab moistened with alcohol.
2. Demagnetize the record/play head and erase head using a head eraser.
3. Thoroughly demagnetize the adjusting screwdriver.
4. Set the input volume control to the MAX (clockwise) position.
5. Unless otherwise specified, set the switches and knobs as shown below. For adjustment, use LINE IN and LINE OUT jacks.

HICOM NR switch . . . . . OFF
TAPE SELECT switch . . . . . CrO_2
MONITOR switch . . . . . TAPE
OUTPUT LEVEL knob MAX (clockwise)
MPX FILTER . . . . . OFF

1. Checking the tape transport

Accurate tape transport is most important for the optimum performance of the tape deck. Do not touch the adjusting parts unnecessarily. To check the tape transport, load a cassette and set it in playback mode. Confirm that the tape edge does not interfere with the tape guide adjacent to the record/paly head, using a lamp or a similar tool.

2. Adjustment of playback system

2-1 Azimuth adjustment

After checking the tape transport in Item 1 above, play a test tape (TEAC MTT-114), Adjust the azimuth screw so that the Lissajous' figure is maximum at the "A" portion and minimum at the "B" portion.

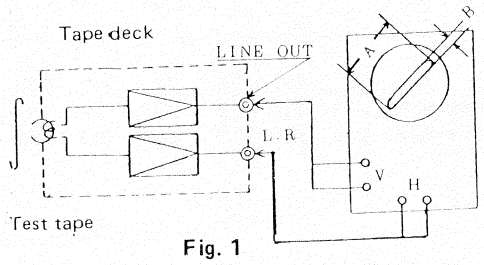


Fig. 1

2-2 Tape speed adjustment

Connect a digital counter to the LINE OUT and play a test tape (TEAC MTT-111). When the tape transport has been stabilized, make adjustment at the rear of the capstan motor until the digital counter indicates 3000 ± 6 Hz.

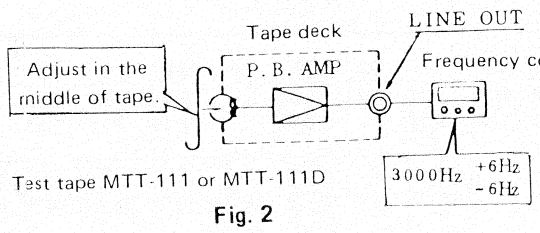


Fig. 2

2-3 Playback level adjustment

Play a Dolby level test tape (TEAC MTT-150) and adjust Vr101 and 401 until the voltage at the LINE OUT becomes 0.6V.

2-4 Adjustment of playback frequency response

Play a test tape (TEAC MTT-116K) and adjust Vr102 and 402 to obtain the frequency characteristic shown in Fig. 3.

3. Meter adjustment

During the adjustment of playback level, adjust Vr103 and 403 so that the VU meter indicates 0VU when the voltage at LINE OUT is 0.6V.

4. Adjustment of recording system

4-1 Adjustment of erase voltage

With the TAPE SELECT switch in the METAL position, set a tape in recording mode. Adjust Vr108 until the voltage at the test point ERASER CUR becomes 40V at room temperature of 20°C when measured with an AC voltmeter (capable of measuring 85 kHz). When the room temperature differs from 20°C, use the conversion table in Fig. 4.

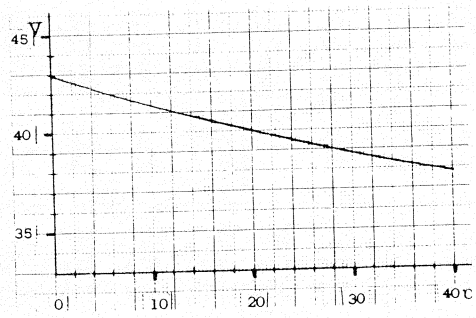


Fig. 4

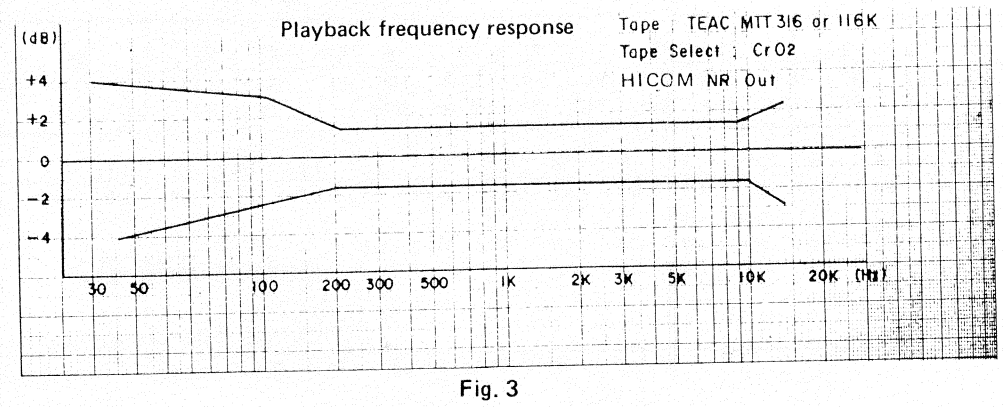


Fig. 3

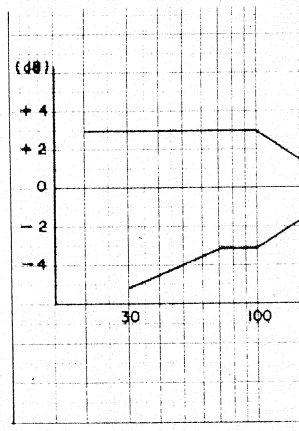
4-2 Adjustment of bias trap

With the TAPE SELECT switch
position, set a tape in recording
the trap coils L104 and 404 to
mum voltage at the check point

4-3 Adjustment of record/pl response

With the TAPE SELECT switch in
load a test tape C-60 (BASF C40
1 kHz and 8 kHz signals respect
level of −20 VU (input level:
Adjust Vr110 and 410 so that th
output is about equal to the 1kH
Check to make sure that the ov
response is within the range sh

* When the 8 kHz output is
1 kHz output, turn Vr110 and
and vice versa.



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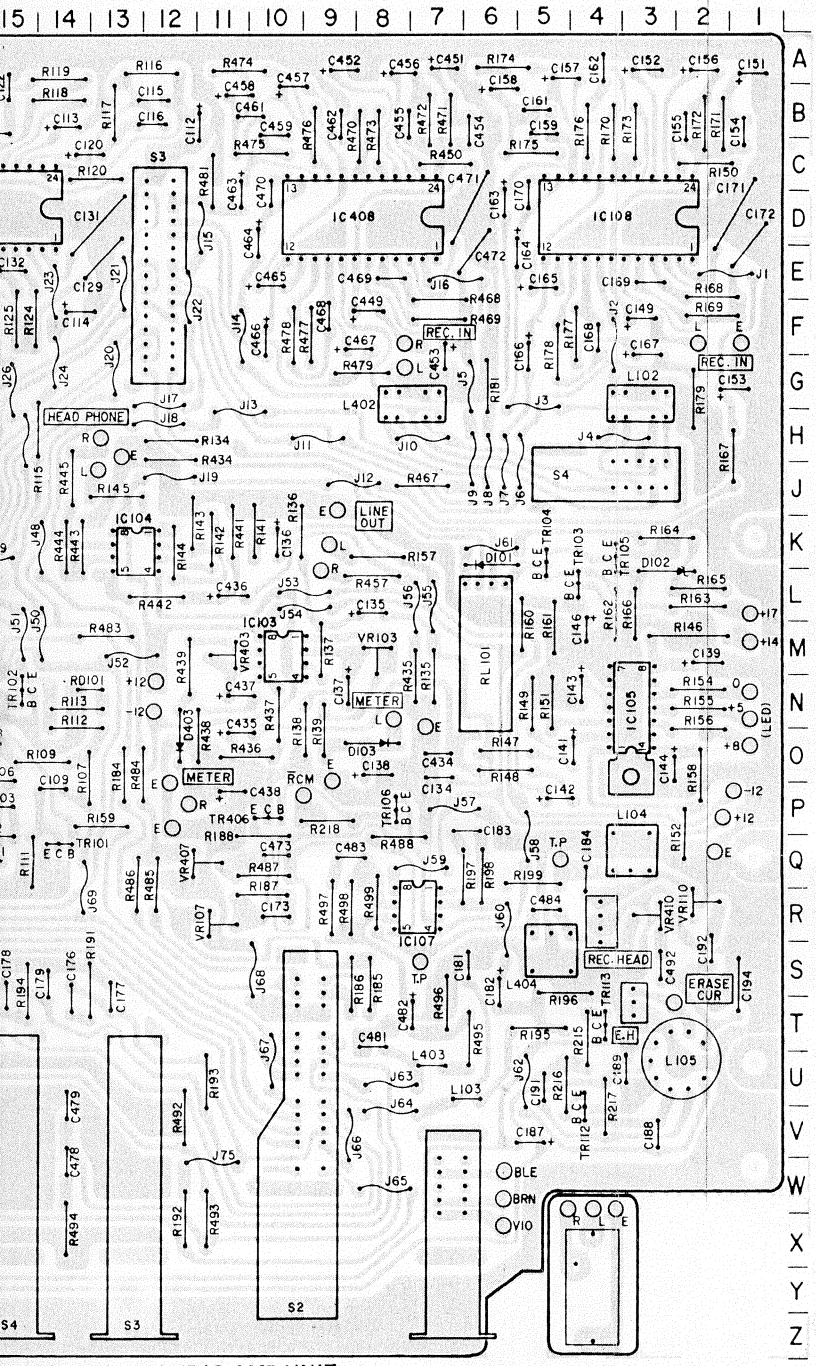
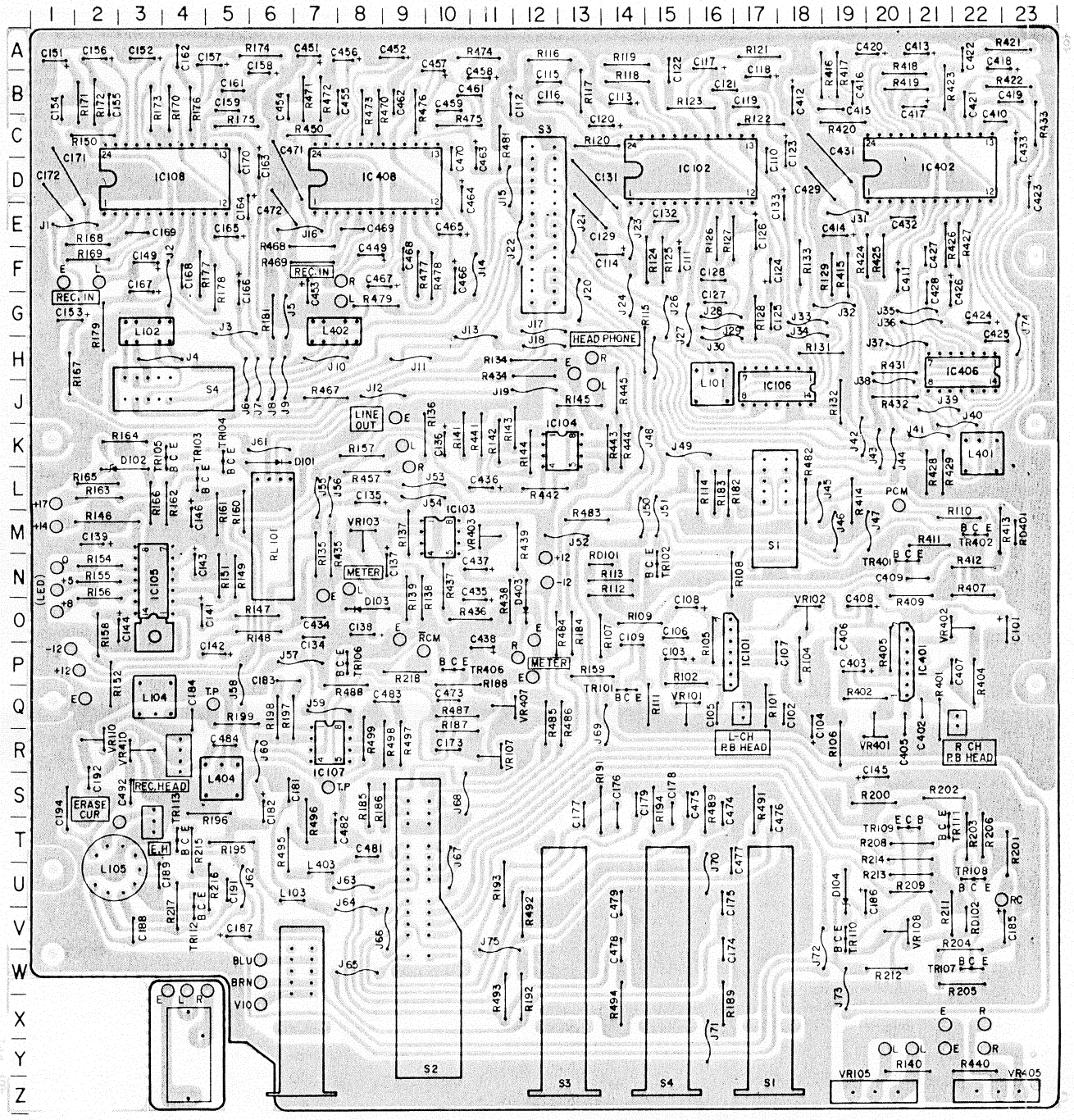


*400 KU-0415 AUDIO AMP UNIT



*100 *200 *400 KU-0415 AUDIO AMP UNIT

ecking the tape transport

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justment of playback system

Azimuth adjustment

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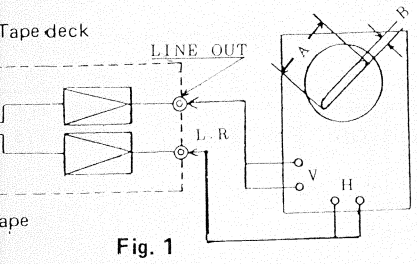

Fig. 1

Tape speed adjustment

ct a digital counter to the LINE OUT ay a test tape (TEAC MTT-111). When pe transport has been stabilized, make nent at the rear of the capstan motor he digital counter indicates 3000 ± 6 Hz.

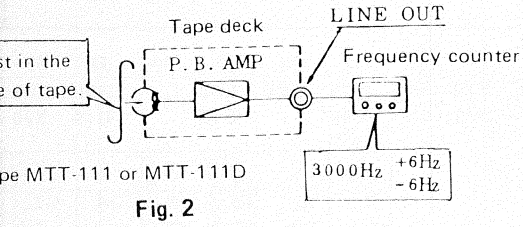

Fig. 2

2-3 Playback level adjustment

Play a Dolby level test tape (TEAC MTT-150) and adjust Vr101 and 401 until the voltage at the LINE OUT becomes 0.6V.

2-4 Adjustment of playback frequency response

Play a test tape (TEAC MTT-116K) and adjust Vr102 and 402 to obtain the frequency characteristic shown in Fig. 3.

3. Meter adjustment

During the adjustment of playback level, adjust Vr103 and 403 so that the VU meter indicates 0VU when the voltage at LINE OUT is 0.6V.

4. Adjustment of recording system

4-1 Adjustment of erase voltage

With the TAPE SELECT switch in the METAL position, set a tape in recording mode. Adjust Vr108 until the voltage at the test point ERASER CUR becomes 40V at room temperature of 20°C when measured with an AC voltmeter (capable of measuring 85 kHz). When the room temperature differs from 20°C, use the conversion table in Fig. 4.

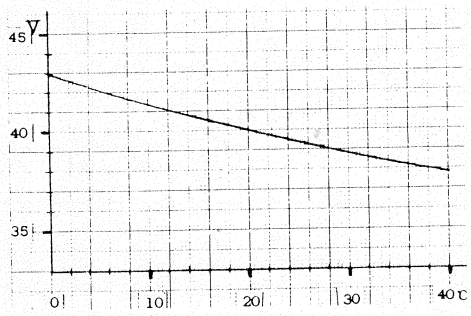

Fig. 4

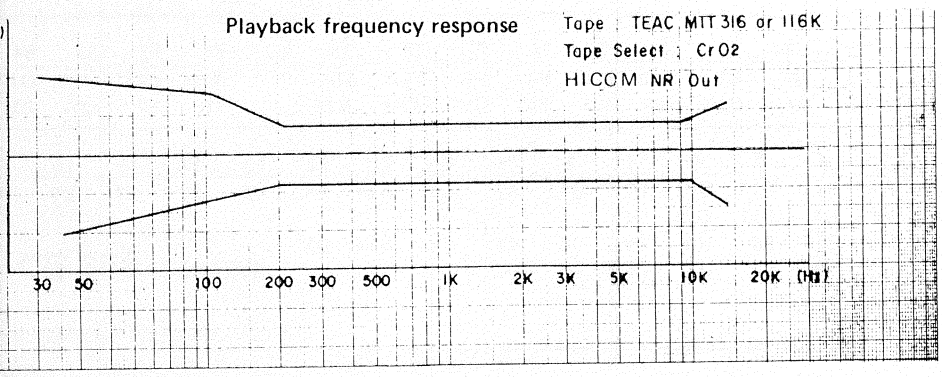
Playback frequency response
Tape : TEAC MTT 316 or 116K
Tape Select : CrO2
HICOM NR Out
30 50 100 200 300 500 1K 2K 3K 5K 10K 20K (Hz)

Fig. 3

4-2 Adjustment of bias trap coil

With the TAPE SELECT switch in METAL position, set a tape in recording mode. Adjust the trap coils L104 and 404 to obtain a minimum voltage at the check point BIAS TRAP.

4-3 Adjustment of record/play frequency response

With the TAPE SELECT switch in CrO_2 position, load a test tape C-60 (BASF C401R) and record 1 kHz and 8 kHz signals respectively at output level of −20 VU (input level: about −43dB). Adjust Vr110 and 410 so that the 8 kHz signal output is about equal to the 1kHz signal output. Check to make sure that the overall frequency response is within the range shown in Fig. 5.

*When the 8 kHz output is larger than the 1 kHz output, turn Vr110 and 410 clockwise, and vice versa.

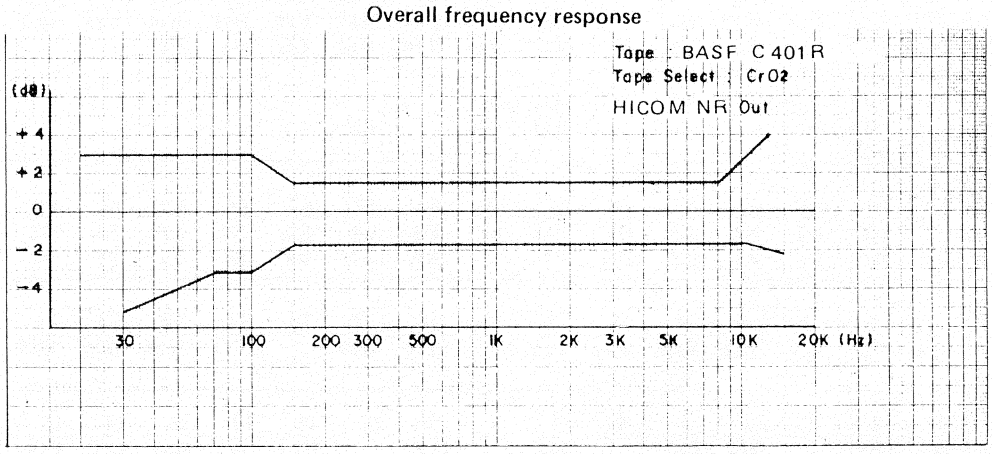

Fig. 5

4-4 Adjustment of record/play level

With the TAPE SELECT switch in CrO_2 position, load a test tape (BASF C401R). Record the 400 Hz signal at output level of −10VU (input level: about −31dB). Adjust Vr107 and 407 so that the same output level can be obtained at the SOURCE and TAPE positions of the MONITOR switch.
(With the above adjustment, output levels at other tape positions are automatically adjusted.)

*Beat noise

If the tape deck is used near an AM tuner, a beat noise may be heard in recording. Place the tape deck away from the AM tuner.

UHER CG 356 stereo

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